

GenCore version 5.1.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds

(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-4

Perfect score: 112

Sequence: 1 DANWDNRKLADCAVGFGS 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
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- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	70.5	15	14	US-10-354-240-18
2	75	67.0	15	14	US-10-354-240-17
3	53	47.3	15	14	US-10-354-240-19
4	48	42.9	15	14	US-10-354-240-16
5	35.5	31.7	17	15	US-10-443-349-12
6	35.5	31.7	17	17	US-10-841-139-12
7	34	30.4	15	15	US-10-407-449-18
8	34	30.4	15	15	US-10-407-449-19
9	33	29.5	14	14	US-10-391-634-39
10	32	28.6	10	16	US-10-363-204-109
11	32	28.6	14	14	US-10-393-815-312
12	32	28.6	17	15	US-10-362-527-148
13	32	28.6	19	9	US-09-864-761-34046

14	31	27.7	11	16	US-10-327-598-726	Sequence 726, Appl
15	31	27.7	12	12	US-09-855-604-70	Sequence 70, Appl
16	31	27.7	14	12	US-09-855-604-60	Sequence 60, Appl
17	30.5	27.2	15	17	US-10-769-514-58	Sequence 58, Appl
18	30	26.8	16	16	US-10-744-548-23	Sequence 23, Appl
19	30	26.8	20	17	US-10-149-835C-62	Sequence 62, Appl
20	29	25.9	10	16	US-10-714-564A-761	Sequence 761, Appl
21	29	25.9	12	10	US-09-892-877-310	Sequence 310, Appl
22	29	25.9	12	10	US-09-948-783-323	Sequence 323, Appl
23	29	25.9	12	16	US-10-363-204-228	Sequence 228, Appl
24	29	25.9	16	14	US-10-012-542-432	Sequence 432, Appl
25	29	25.9	16	14	US-10-115-123-432	Sequence 432, Appl
26	29	25.9	17	10	US-09-791-153A-18	Sequence 18, Appl
27	29	25.9	17	14	US-10-031-874A-45	Sequence 45, Appl
28	29	25.9	17	16	US-10-031-874A-45	Sequence 45, Appl
29	28.5	25.4	17	9	US-09-785-802A-3	Sequence 3, Appl
30	28.5	25.4	18	9	US-09-785-802A-14	Sequence 14, Appl
31	28.5	25.4	20	9	US-09-864-761-48431	Sequence 48431, A
32	28.5	25.4	20	14	US-10-280-066-122	Sequence 122, Appl
33	28	25.0	10	16	US-10-714-564A-813	Sequence 813, Appl
34	28	25.0	12	9	US-09-894-967A-5	Sequence 5, Appl
35	28	25.0	12	9	US-09-894-967A-6	Sequence 6, Appl
36	28	25.0	12	9	US-09-894-967A-7	Sequence 7, Appl
37	28	25.0	12	9	US-09-82-704-5	Sequence 5, Appl
38	28	25.0	14	9	US-09-823-829-77	Sequence 77, Appl
39	28	25.0	14	9	US-09-823-823-77	Sequence 77, Appl
40	28	25.0	14	15	US-10-362-527-93	Sequence 93, Appl
41	28	25.0	15	14	US-10-354-240-99	Sequence 99, Appl
42	28	25.0	15	15	US-10-232-410-10	Sequence 10, Appl
43	28	25.0	15	16	US-10-751-380-16	Sequence 16, Appl
44	28	25.0	17	17	US-10-844-424-70	Sequence 70, Appl
45	28	25.0	17	17	US-10-844-424-78	Sequence 78, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-18
; Sequence 18, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 4
US-10-354-240-18

Query Match 70.5%; Score 79; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.6e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 QNRMKLADCAVGFGS 20
|||||||

Db 1 QNRMKLADCAVGFGS 15

RESULT 2

US-10-354-240-17

; Sequence 17, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 17

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 3

US-10-354-240-17

Query Match 67.0%; Score 75; DB 14; Length 15;

Best Local Similarity 86.7%; Pred. No. 2.2e-05;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DANWDQNRMKLADCA 15

Db 1 DSNWAQNRMKLADCA 15

RESULT 3

US-10-354-240-19

; Sequence 19, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 19

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 5

US-10-354-240-19

Query Match 47.3%; Score 53; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 0.098;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 LADCAVGFGS 20

Db 1 LADCAVGFGS 10

RESULT 4

US-10-354-240-16

; Sequence 16, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 16

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 2

US-10-354-240-16

Query Match

42.9%; Score 48; DB 14; Length 15;

Best Local Similarity 80.0%; Pred. No. 0.67;

Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DANWDQNRMK 10

Db 6 DSNWAQNRMK 15

RESULT 5

US-10-443-349-12

; Sequence 12, Application US/10443349

; Publication No. US20040023856A1

; GENERAL INFORMATION:

; APPLICANT: Burgeson, Robert E.

; APPLICANT: Wagnan, David W.

; TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE

; FILE REFERENCE: 10287/021003

; CURRENT FILING DATE: 2003-05-22

; PRIOR APPLICATION NUMBER: US/09/161,872

; PRIOR FILING DATE: 1998-09-28

; PRIOR APPLICATION NUMBER: US 08/735,893

; PRIOR FILING DATE: 1996-10-23

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 12

; LENGTH: 17

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-443-349-12

Query Match

31.7%; Score 35.5; DB 15; Length 17;

Best Local Similarity 46.7%; Pred. No. 0.92;

Matches 7; Conservative 4; Mismatches 3; Indels 1; Gaps 1;

Qy 5 DQN-RMKLADCAVGF 18
|:| :| | | :| |
Db 1 DENPDIECADCPIGF 15

RESULT 6

US-10-841-139-12
; Sequence 12, Application US/10841139
; Publication No. US20040208881A1

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; GENERAL INFORMATION:
; APPLICANT: Burgeson, Robert E.
; APPLICANT: Wagman, David W.
; TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE
; FILE REFERENCE: 10287/021003
; CURRENT APPLICATION NUMBER: US/10/841,139
; CURRENT FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US/10/443,349
; PRIOR FILING DATE: 2003-05-22
; PRIOR APPLICATION NUMBER: US/09/161,872
; PRIOR FILING DATE: 1998-09-28
; PRIOR APPLICATION NUMBER: US 08/735,893
; PRIOR FILING DATE: 1996-10-23
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-841-139-12

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Query Match 31.7%; Score 35.5; DB 17; Length 17;
Best Local Similarity 46.7%; Pred. No. 92;
Matches 7; Conservative 4; Mismatches 3; Indels

Qy 5 DQN-RMKLADCAVGF 18
||:|::|||:|
pb 1 DENPDIECADCPIGF 15

RESULT 7

US-10-407-449-18
; sequence 18, Application US/10407449
; Publication No. US20040005601A1

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, GENERAL INFORMATION:
, APPLICANT: Siddiqui-Jain, Adam
, APPLICANT: Hurley, Laurence
, APPLICANT: Farrell, Thomas
, APPLICANT: Grand, Cory
, APPLICANT: Bears6, David
, TITLE OF INVENTION: METHODS FOR TARGETING QUADRUPEX DNA
, FILE REFERENCE: 53223-20004.00
, CURRENT APPLICATION NUMBER: US10/407,449
, CURRENT FILING DATE: 2003-04-04
, PRIOR APPLICATION NUMBER: US 60/404,966
, PRIOR FILING DATE: 2002-08-04
, PRIOR APPLICATION NUMBER: US 60/370,358
, PRIOR FILING DATE: 2002-04-05
, PRIOR APPLICATION NUMBER: Unknown
, PRIOR FILING DATE: 2003-03-20
, NUMBER OF SEQ ID NOS: 64
, SOFTWARE: FastSeq for Windows Version 4.0
, SEQ ID NO 18
, LENGTH: 15
, TYPE: PR1
, ORGANISM: Antennapedia
US-10-407-449-18

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Query Match 30.4%; Score 34; DB 15; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.4e+02;
Matches 6: Conservative 0; Mismatches 1; Indels

Ov 4 WDONRMK 10

Db 6 WFONRMK 12

RESULT 8

US-10-407-449-19
; Sequence 19, Application US/10407449
; Publication No. US20040005601A1

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GENERAL INFORMATION:
APPLICANT: Siddiqui-Jain, Adam
APPLICANT: Hurley, Laurence
APPLICANT: Farrell, Thomas
APPLICANT: Grand, Cory
APPLICANT: Bearas, David
TITLE OF INVENTION: METHODS FOR TARGETING QUADRUPELEX DNA
FILE REFERENCE: 53223-20004.00
CURRENT APPLICATION NUMBER: US/10/407,449
CURRENT FILING DATE: 2003-04-04
PRIOR APPLICATION NUMBER: US 60/404,966
PRIOR FILING DATE: 2002-08-04
PRIOR APPLICATION NUMBER: US 60/370,358
PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: Unknown
PRIOR FILING DATE: 2003-03-20
NUMBER OF SEQ ID NOS: 64
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 19
LENGTH: 15
TYPE: PRT
ORGANISM: Antennapedia
US-10-407-449-19

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Query Match 30.4%; Score 34; DB 15; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.4e+02;
Matches 6: Conservative 0; Mismatches 1; Indels

Qy 4 WDQNRMK 10
| | | | |
Db 4 WFONRMK 10

RESULT 9

US-10-391-634-39
; Sequence 39, Application US/10391634
; Publication No. US20030232359A1

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;
; GENERAL INFORMATION:
;
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
; TITLE OF INVENTION: HGPBMY40_2
;
; FILE REFERENCE: D0253np
;
; CURRENT APPLICATION NUMBER: US/10/391,634
; CURRENT FILING DATE: 2003-03-18
;
; PRIOR APPLICATION NUMBER: U.S. 60/365,350
; PRIOR FILING DATE: 2002-03-18
;
; NUMBER OF SEQ ID NOS: 51
;
; SOFTWARE: PatentIn version 3.2
;
; SEQ ID NO 39
;
; LENGTH: 14
;
; TYPE: PRT
;
; ORGANISM: Homo sapiens
;
; US-10-391-634-39
;

```

Query Match 29.5%; Score 33; DB 14; Length 14;
Best Local Similarity 42.9%; Pred. No. 1.9e+02;
Matches 6: Conservative 3; Mismatches 5; Indels

QY 5 DQNRMKLADCAVGF 18
: : : : :
pb 1 ENKRISLYECAVOF 14

RESULT 10
US-10-363-204-109

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; Sequence 109, Application US/10363204
; Publication No. US20040170955A1
; GENERAL INFORMATION:
; APPLICANT: Board of Regents, The University of Texas System
; TITLE OF INVENTION: Human and Mouse Targeting Peptides Identified by Phage Display
; FILE REFERENCE: 005774.P003PCT
; CURRENT APPLICATION NUMBER: US/10/363,204
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 251
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 109
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: (1)..(10)
; OTHER INFORMATION: synthetic construct
US-10-363-204-109

Query Match      28.6%; Score 32; DB 16; Length 10;
Best Local Similarity 63.6%; Pred. No. 2e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 1;

QY      4 WDNRMKLCDC 14
Db      2 WDNQ--YLDDC 10
      ||||| |||

RESULT 11
US-10-393-815-312
; Sequence 312, Application US/10393815
; Publication No. US20030224413A1
; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard A
; APPLICANT: Leach, Martin
; TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotide Polymorphisms
; FILE REFERENCE: 15966-534B
; CURRENT APPLICATION NUMBER: US/10/393,815
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: 60/109,024
; PRIOR FILING DATE: 1998-11-17
; NUMBER OF SEQ ID NOS: 320
; SOFTWARE: CuraGen Patent Formatter Version 0.9
; SEQ ID NO 312
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(0)
; OTHER INFORMATION: cSNP translation
US-10-393-815-312

Query Match      28.6%; Score 32; DB 14; Length 14;
Best Local Similarity 60.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      5 DQNRMKLCDC 14
Db      2 DGNRSRLAPC 11
      ||||| |||

RESULT 12
US-10-362-527-148
; Sequence 148, Application US/10362527
; Publication No. US20040030106A1
; GENERAL INFORMATION:
; APPLICANT: Friede, Martin
; APPLICANT: Mason, Sean
; APPLICANT: Turnell, William Gordon
; APPLICANT: Vinals Y De Bassols, Carlota
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; TITLE OF INVENTION: Vaccine Immunogens Comprising Disulphide Bridged Cyclised Peptide
; FILE REFERENCE: B45236
; CURRENT APPLICATION NUMBER: US/10/362,527
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/EP01/09576
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: GB 0020717.5
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 328
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial variant of Homo sapiens IgE peptide
US-10-362-527-148

Query Match      28.6%; Score 32; DB 15; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.5e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      10 KLADCAVG 17
Db      7 QMADCAAG 14
      ::||| |

RESULT 13
US-09-864-761-34046
; Sequence 34046, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
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; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
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; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34046
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC004967.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELI00, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
; US-09-864-761-34046
Query Match 28.6%; Score 32; DB 9; Length 19;
Best Local Similarity 36.4%; Pred. No. 4e+02;
Matches 4; Conservative 4; Mismatches 3; Indels 3; Gaps 0;

QY 3 NWDQNRMKLAD 13
Db :|||:|
1 SWESNLRKKD 11

RESULT 14
US-10-327-598-726
; Sequence 726, Application US/10327598
; Publication No. US20040181039A1
; GENERAL INFORMATION:
; APPLICANT: Krah, Eugene
; APPLICANT: Guo, Honliang
; APPLICANT: Aiyappa, Ashok
; APPLICANT: Lawton, Robert
; TITLE OF INVENTION: Canine Immunoglobulin Variable Domains, Caninized Antibodies, and
; TITLE OF INVENTION: for Making and Using Them
; FILE REFERENCE: 01-799-A
; CURRENT APPLICATION NUMBER: US/10/327,598
; CURRENT FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: US 60/344,874
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 1139
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 726
; LENGTH: 11
; TYPE: PRT
; ORGANISM: canis familiaris;
US-10-327-598-726
Query Match 27.7%; Score 31; DB 16; Length 11;
Best Local Similarity 40.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 2 ANWDQNRMKL 11
Db :|||:|
1 SSWDNMLIKI 10

RESULT 15
US-09-855-604-70
; Sequence 70, Application US/09855604
; Publication No. US20040214165A1
; GENERAL INFORMATION:
; APPLICANT: GICQUEL, BRIGITTE
; APPLICANT: PORTNOI, DENIS
; APPLICANT: LIM, ENG-MONG
; APPLICANT: PELICIC, VLADIMIR
; APPLICANT: GUGUENO, AGNES
; APPLICANT: GOGUET DE LA SALMONIERE, YVES
; TITLE OF INVENTION: POLYPEPTIDE NUCLEIC SEQUENCES EXPORTED FROM MYCOBACTERIA,
; TITLE OF INVENTION: VECTORS COMPRISING SAME AND USES FOR DIAGNOSING AND
; TITLE OF INVENTION: PREVENTING TUBERCULOSIS
; FILE REFERENCE: 03715.0062-01000
; CURRENT APPLICATION NUMBER: US/09/855,604
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 09/485,536
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: PCT/FR98/01813
; PRIOR FILING DATE: 1998-08-14
; PRIOR APPLICATION NUMBER: FR 97 10404
; PRIOR FILING DATE: 1997-08-14
; PRIOR APPLICATION NUMBER: FR 97 11325
; PRIOR FILING DATE: 1997-09-11
; NUMBER OF SEQ ID NOS: 935
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
; US-09-855-604-70
Query Match 27.7%; Score 31; DB 12; Length 12;
Best Local Similarity 50.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 8 RMKLADCAVGFG 19
Db :|||:|
1 RARLPDCCGFG 12

Search completed: January 26, 2005, 00:51:32
Job time : 56.6 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-4
Perfect score: 112
Sequence: 1 DANWDQNMKLADCAVGFS 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
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3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	101	90.2	20	3	US-08-467-023-27
2	79	70.5	15	4	US-09-142-524D-18
3	75	67.0	15	4	US-09-142-524D-17
4	53	47.3	15	4	US-09-142-524D-19
5	53	47.3	20	3	US-08-467-023-28
6	48	42.9	15	4	US-09-142-524D-16
7	48	42.9	20	3	US-08-467-023-18
8	48	42.9	20	3	US-08-467-023-26
9	35.5	31.7	17	1	US-08-144-121-12
10	35.5	31.7	17	2	US-08-735-893-12
11	32	28.6	12	1	US-08-241-054-135
12	32	28.6	12	1	US-08-439-817-138
13	32	28.6	12	1	US-08-485-508-135
14	32	28.6	16	4	US-09-620-091-312
15	30.5	27.2	18	3	US-09-202-316-9
16	30	26.8	9	4	US-09-620-091-219
17	30	26.8	11	4	US-09-620-091-317
18	30	26.8	14	1	US-08-478-312-32
19	30	26.8	14	1	US-08-485-302-32
20	30	26.8	16	4	US-09-620-091-273
21	30	26.8	16	4	US-09-620-091-309
22	30	26.8	16	4	US-09-620-091-335
23	30	26.8	16	4	US-09-620-091-341
24	29	25.9	6	1	US-08-290-448A-43
25	29	25.9	6	1	US-08-290-448A-43
26	29	25.9	6	1	US-08-175-069A-43
27	29	25.9	6	3	US-08-461-939B-43

28	29	25.9	6	3	US-08-464-000-43	Sequence 43, Appl
29	29	25.9	9	4	US-09-620-091-265	Sequence 265, App
30	29	25.9	10	3	US-08-822-586-33	Sequence 33, Appl
31	29	25.9	12	1	US-08-241-054-140	Sequence 140, App
32	29	25.9	12	1	US-08-439-817-143	Sequence 143, App
33	29	25.9	12	1	US-08-485-508-140	Sequence 140, App
34	29	25.9	16	2	US-08-485-937-11	Sequence 11, Appl
35	29	25.9	16	2	US-08-373-215-11	Sequence 11, Appl
36	29	25.9	16	4	US-09-461-323-432	Sequence 432, App
37	29	25.9	16	4	US-10-012-542-432	Sequence 432, App
38	29	25.9	16	4	US-09-620-091-280	Sequence 280, App
39	29	25.9	16	4	US-09-620-091-292	Sequence 292, App
40	29	25.9	16	4	US-09-620-091-298	Sequence 298, App
41	29	25.9	16	4	US-09-620-091-333	Sequence 333, App
42	29	25.9	16	4	US-10-115-123-432	Sequence 432, App
43	29	25.9	16	5	PCT-US93-06552-11	Sequence 11, Appl
44	29	25.9	18	4	US-09-620-091-316	Sequence 316, App
45	29	25.9	20	3	US-08-290-736C-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-08-467-023-27
; Sequence 27, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-28

Query Match 47.3%; Score 53; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.041; 0; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 LADCAVGFGS 20
Db 1 LADCAVGFGS 10

RESULT 6
US-09-142-524D-16
Sequence 16, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 16
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 2
US-09-142-524D-16

Query Match 42.9%; Score 48; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.2;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQNRMK 10
Db 6 DSNWAQNRMK 15

RESULT 7
US-08-467-023-18
Sequence 18, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: Modified-site
LOCATION: 7
OTHER INFORMATION: /note= "the amino acid at position
OTHER INFORMATION: 7 is Ser, Cys, Thr, or His"
US-08-467-023-18

Query Match 42.9%; Score 48; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.28;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQNRMK 10
Db 11 DSNWAQNRMK 20

RESULT 8
US-08-467-023-26
Sequence 26, Application US/08467023
Patent No. 6090386

GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-26
Query Match 42.9%; Score 48; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.28;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 DANWDQNRMK 10
Db 11 DSNWAQNRMK 20
RESULT 9
US-08-144-121-12
Sequence 12, Application US/08144121
Patent No. 5610031
GENERAL INFORMATION:
APPLICANT: Burgeson, Robert E.
APPLICANT: Wagman, David W.
TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: BOSTON
STATE: Massachusetts
COUNTRY: United States
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/144,121
FILING DATE: 27-OCT-1993
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Paul L.
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: (MGH-0780.0) MGP-021
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-144-121-12
Query Match 31.7%; Score 35.5; DB 1; Length 17;
Best Local Similarity 46.7%; Pred. No. 26;
Matches 7; Conservative 4; Mismatches 3; Indels 1; Gaps 1;
QY 5 DON-RMKLADCAVGF 18
Db 1 DENPDIECADCPGF 15
RESULT 10
US-08-735-893-12
Sequence 12, Application US/08735893
Patent No. 5914317
GENERAL INFORMATION:
APPLICANT: Burgeson, Robert E.
APPLICANT: Wagman, David W.
TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: BOSTON
STATE: Massachusetts
COUNTRY: United States
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/735,893
FILING DATE: 18-OCT-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/144,121
FILING DATE: 27-OCT-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Paul L.
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids

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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-735-893-12

Query Match      31.7%; Score 35.5; DB 2; Length 17;
Best Local Similarity 46.7%; Pred. No. 26;
Matches 7; Conservative 4; Mismatches 3; Indels 1; Gaps 1;

QY 5 DON-RMKLADCAVGF 18
   | | : : | | : |
Db 1 DENPDIACDCPIGF 15

RESULT 11
US-08-241-054-135
; Sequence 135, Application US/08241054
; Patent No. 5643873
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Cwiria, Steven E.
; APPLICANT: Dower, William J.
; APPLICANT: Koller, Kerry J.
; APPLICANT: Lee, Jung
; APPLICANT: Martens, Christine L.
; APPLICANT: Ruhland-Fritsch, Beatrice
; TITLE OF INVENTION: Peptides and Compounds That Bind
; TITLE OF INVENTION: Selectins Including Endothelium Leukocyte Adhesion
; TITLE OF INVENTION: Molecule 1
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22313
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/241,054
; FILING DATE: 11-MAY-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/057,295
; FILING DATE: 05-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/881,395
; FILING DATE: 06-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerald F. Swiss
; REGISTRATION NUMBER: 30,113
; REFERENCE/DOCKET NUMBER: 000324-002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-854-7400
; TELEFAX: 415-854-8275
; INFORMATION FOR SEQ ID NO: 135:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(11)
; OTHER INFORMATION: /note= "Xaa is No. 5643873leucine."
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(12)
; OTHER INFORMATION: /note= "C-terminal Lys is hydroxylated."
US-08-241-054-135

Query Match      28.6%; Score 32; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 67;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQ 6
   | | | |
Db 1 DATWDQ 6

RESULT 12
US-08-439-817-138
; Sequence 138, Application US/08439817
; Patent No. 5728802
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Cwiria, Steven E.
; APPLICANT: Dower, William J.
; APPLICANT: Koller, Kerry J.
; APPLICANT: Lee, Jung
; APPLICANT: Martens, Christine L.
; APPLICANT: Ruhland-Fritsch, Beatrice
; TITLE OF INVENTION: Peptides and Compounds That Bind
; TITLE OF INVENTION: Selectins Including Endothelial Leukocyte Adhesion
; TITLE OF INVENTION: Molecule I (ELAM-1)
; NUMBER OF SEQUENCES: 209
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Affymax Technologies, NV
; STREET: 4001 Miranda Ave.
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/439,817
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/241,054
; FILING DATE: 11-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/057,295
; FILING DATE: 05-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/881,395
; FILING DATE: 06-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens, Lauren L.
; REGISTRATION NUMBER: 36,691
; REFERENCE/DOCKET NUMBER: 000324-046/1056.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-496-2300
; TELEFAX: 415-424-0832
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(11)
; OTHER INFORMATION: /note= "Xaa is norleucine."
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(11)
; OTHER INFORMATION: /note= "Xaa is norleucine."
US-08-439-817-138

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Query Match 28.6%; Score 32; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 67;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQ 6
|||
Db 1 DATWDQ 6

RESULT 13
US-08-485-508-135
; Sequence 135, Application US/08485508
; Patent No. 5786322
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Cwiria, Steven E.
; APPLICANT: Dower, William J.
; APPLICANT: Koller, Kerry J.
; APPLICANT: Lee, Jung
; APPLICANT: Martens, Christine L.
; APPLICANT: Ruhland-Fritsch, Beatrice
; TITLE OF INVENTION: Peptides and Compounds That Bind
; TITLE OF INVENTION: Selectins Including Endothelial Leukocyte Adhesion
; TITLE OF INVENTION: Molecule I
; NUMBER OF SEQUENCES: 162
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Affymax Technologies, NV
; STREET: 4001 Miranda Ave.
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,508
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/241,054
; FILING DATE: 11-MAY-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/057,295
; FILING DATE: 05-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/881,395
; FILING DATE: 06-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens, Lauren L.
; REGISTRATION NUMBER: 36,691
; REFERENCE/DOCKET NUMBER: 000324-002/1056
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-496-2300
; TELEFAX: 415-424-0832
; INFORMATION FOR SEQ ID NO: 135:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(11)
; OTHER INFORMATION: /note= "Xaa is norleucine."
; FEATURE:
; NAME/KEY: Region
; LOCATION: one-of(12)

; OTHER INFORMATION: /note= "C-terminal Lys is hydroxylated."
US-08-485-508-135

Query Match 28.6%; Score 32; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 67;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQ 6
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Db 1 DATWDQ 6

RESULT 14
US-09-620-091-312
; Sequence 312, Application US/09620091
; Patent No. 6716811
; GENERAL INFORMATION:
; APPLICANT: Cwiria, Steven E.
; APPLICANT: Balu, Palani
; APPLICANT: Duffin, David J.
; APPLICANT: Piplani, Sunila
; APPLICANT: Merrill, Barbara McEowen
; APPLICANT: Schatz, Peter Joseph
; TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY
; TITLE OF INVENTION: STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
; TITLE OF INVENTION: USES
; FILE REFERENCE: 0300-0014
; CURRENT APPLICATION NUMBER: US/09/620,091
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 491
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 312
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-620-091-312

Query Match 28.6%; Score 32; DB 4; Length 16;
Best Local Similarity 60.0%; Pred. No. 92;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 QNRMKLADCA 15
|:|:|:|:
Db 4 QCELKLAECA 13

RESULT 15
US-09-202-316-9
; Sequence 9, Application US/09202316
; Patent No. 6297054
; GENERAL INFORMATION:
; APPLICANT: Pal Maliga
; APPLICANT: Helaine Carrer
; APPLICANT: Sumita Chaudhuri
; TITLE OF INVENTION: Editing-Based Selectable Plastid Marker
; TITLE OF INVENTION: Genes
; FILE REFERENCE: Rut-96-06041
; CURRENT APPLICATION NUMBER: US/09/202,316
; CURRENT FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: PCT/US97/10318
; PRIOR FILING DATE: 1997-06-13
; PRIOR APPLICATION NUMBER: 60/019,741
; PRIOR FILING DATE: 1996-06-14
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

OTHER INFORMATION: Synthetic Sequence
US-09-202-316-9

Query Match 27.2%; Score 30.5; DB 3; Length 18;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 3; Gaps 1;

QY 3 NWDONRMKLADC 14
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Db 3 NWGLNKM---DC 11

Search completed: January 26, 2005, 00:05:10
Job time : 17.9 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-6

Perfect score: 106

Sequence: 1 SAMGGKGAFTVTSSDDDP 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
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- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
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- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	66	62.3	15	14	US-10-354-240-22
2	58	54.7	15	14	US-10-354-240-21
3	51	48.1	15	14	US-10-354-240-23
4	38	35.8	15	14	US-10-354-240-20
5	34	32.1	19	16	US-10-387-955-62
6	34	32.1	19	16	US-10-387-955-68
7	34	32.1	20	14	US-10-280-066-48
8	33	31.1	12	14	US-10-202-189-24
9	33	31.1	12	14	US-10-202-189-29
10	33	31.1	12	14	US-10-016-986-48
11	33	31.1	12	15	US-10-637-935-24
12	33	31.1	12	15	US-10-637-935-29
13	33	31.1	15	15	US-10-419-462-25
					Sequence 22, Appl
					Sequence 21, Appl
					Sequence 23, Appl
					Sequence 20, Appl
					Sequence 62, Appl
					Sequence 48, Appl
					Sequence 24, Appl
					Sequence 29, Appl
					Sequence 28, Appl
					Sequence 29, Appl
					Sequence 25, Appl

14	33	31.1	18	17	US-10-477-238A-758	Sequence 758, App
15	33	31.1	18	17	US-10-680-287A-758	Sequence 758, App
16	33	31.1	20	9	US-09-791-378-181	Sequence 181, App
17	33	31.1	20	9	US-09-791-378-450	Sequence 450, App
18	33	31.1	20	10	US-09-791-393-270	Sequence 270, App
19	33	31.1	20	10	US-09-791-389-270	Sequence 270, App
20	33	31.1	20	11	US-09-791-377-181	Sequence 181, App
21	33	31.1	20	11	US-09-791-377-450	Sequence 450, App
22	33	31.1	20	11	US-09-791-377-450	Sequence 450, App
23	32	30.2	15	16	US-10-280-066-288	Sequence 288, App
24	32	30.2	15	16	US-10-654-200-87	Sequence 87, Appl
25	32	30.2	15	16	US-10-654-200-90	Sequence 90, Appl
26	32	30.2	15	17	US-10-769-514-19	Sequence 19, Appl
27	32	30.2	19	14	US-10-059-271-33	Sequence 33, Appl
28	32	30.2	20	14	US-10-047-403-13	Sequence 13, Appl
29	31	29.2	9	16	US-10-655-702-3	Sequence 3, Appl
30	31	29.2	10	9	US-09-810-310-17	Sequence 17, Appl
31	31	29.2	10	9	US-09-087-513-17	Sequence 17, Appl
32	31	29.2	12	9	US-09-873-459A-3	Sequence 3, Appl
33	31	29.2	12	10	US-09-964-201A-16	Sequence 16, Appl
34	31	29.2	12	14	US-10-448-546-3	Sequence 3, Appl
35	31	29.2	12	16	US-10-681-389-16	Sequence 16, Appl
36	31	29.2	12	16	US-10-681-388-16	Sequence 16, Appl
37	31	29.2	13	17	US-10-872-550-3	Sequence 3, Appl
38	31	29.2	13	14	US-10-213-742-1	Sequence 1, Appl
39	31	29.2	13	15	US-10-373-592-118	Sequence 118, App
40	31	29.2	13	17	US-10-832-636-5	Sequence 5, Appl
41	31	29.2	14	12	US-09-855-604-642	Sequence 642, App
42	31	29.2	14	16	US-10-654-200-41	Sequence 41, Appl
43	31	29.2	14	16	US-10-654-200-42	Sequence 42, Appl
44	31	29.2	14	16	US-10-654-200-89	Sequence 89, Appl
45	31	29.2	15	9	US-09-775-805-50	Sequence 92, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-22
; Sequence 22, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8
US-10-354-240-22

Query Match 62.3%; Score 66; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0073;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 KGAFTVTSSDDDP 20

|||||:|||||

Db 1 KGGDLYTVTNSDDDP 15

RESULT 2

US-10-354-240-21

; Sequence 21, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 21

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7

US-10-354-240-21

Query Match 54.7%; Score 58; DB 14; Length 15;

Best Local Similarity 73.3%; Pred. No. 0.11;

Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 SAMGGKGGAFYTVTS 15

Db 1 STWGGKGGDLYTVTN 15

RESULT 3

US-10-354-240-23

; Sequence 23, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 23

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9

US-10-354-240-23

Query Match 48.1%; Score 51; DB 14; Length 15;

Best Local Similarity 90.0%; Pred. No. 1.2;

Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 11 YVTSSDDDP 20

Db 1 YVTNSDDDP 10

RESULT 4

US-10-354-240-20

; Sequence 20, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 20

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 6

US-10-354-240-20

Query Match 35.8%; Score 38; DB 14; Length 15;

Best Local Similarity 87.5%; Pred. No. 96;

Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 SAMGGKGG 8

Db 6 STWGGKGG 13

RESULT 5

US-10-387-955-62

; Sequence 62, Application US/10387955

; Publication No. US20040185044A1

; GENERAL INFORMATION:

; APPLICANT: GlaxoSmithKline Biologicals s.a. and BioInvent International AB

; TITLE OF INVENTION: Vaccine

; FILE REFERENCE: VB60138

; CURRENT APPLICATION NUMBER: US/10/387,955

; CURRENT FILING DATE: 2003-03-13

; NUMBER OF SEQ ID NOS: 78

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 62

; LENGTH: 19

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-387-955-62

Query Match 32.1%; Score 34; DB 16; Length 19;

Best Local Similarity 46.7%; Pred. No. 4.8e+02;

Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 SAMGGKGGAFYTVTS 15

Db 1 SAISGGGTYTADS 15

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RESULT 6
US-10-387-955-68
; Sequence 68, Application US/10387955
; Publication No. US20040185044A1
; GENERAL INFORMATION:
; APPLICANT: GlaxoSmithKline Biologicals s.a. and BioInvent International AB
; TITLE OF INVENTION: Vaccine
; FILE REFERENCE: VB60138
; CURRENT APPLICATION NUMBER: US/10/387,955
; PRIOR FILING DATE: 2003-03-13
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-387-955-68

Query Match          32.1%; Score 34; DB 16; Length 19;
Best Local Similarity 46.7%; Pred. No. 4.8e+02;
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY      1 SAMGGKGGAFYTVTS 15
      ||: |||: |
Db      1 SAISGGGGTYIYADS 15

RESULT 7
US-10-280-066-48
; Sequence 48, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009U51
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: DGI-2-20P-PP-E11
US-10-280-066-48

Query Match          32.1%; Score 34; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 AMGGKGGAFY 11
      |: |||: ||
Db      10 ALGGGGGAFY 19

RESULT 8
US-10-202-189-24
; Sequence 24, Application US/10202189
; Publication No. US20030022225A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
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; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaler, Thomas A.
; TITLE OF INVENTION: Releasable No. US20030022225A1volatile Mass-Label Molecules
; FILE REFERENCE: 24736-2057D
; CURRENT APPLICATION NUMBER: US/10/202,189
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER:
; PRIOR APPLICATION NUMBER: US 08/988,024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033,037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046,719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligopeptide
US-10-202-189-24

Query Match          31.1%; Score 33; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 GKGGA 9
      |||||
Db      7 GKGGA 12

RESULT 9
US-10-202-189-29
; Sequence 29, Application US/10202189
; Publication No. US20030022225A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaler, Thomas A.
; TITLE OF INVENTION: Releasable No. US20030022225A1volatile Mass-Label Molecules
; FILE REFERENCE: 24736-2057D
; CURRENT APPLICATION NUMBER: US/10/202,189
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER:
; PRIOR APPLICATION NUMBER: US 08/988,024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033,037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046,719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligopeptide
US-10-202-189-29

Query Match          31.1%; Score 33; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 GKGGA 9
      |||||
Db      7 GKGGA 12

RESULT 10
US-10-016-986-48
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; Sequence 48, Application US/10016986
; Publication No. US20030187247A1
; GENERAL INFORMATION:
; APPLICANT: Burton, Dennis R
; APPLICANT: Barbas, Carlos F
; APPLICANT: Lerner, Richard A
; TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS
; FILE REFERENCE: 313.2CON1
; CURRENT APPLICATION NUMBER: US/10/016,986
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 09/149,898
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: US 08/899,575
; PRIOR FILING DATE: 1997-07-24
; PRIOR APPLICATION NUMBER: US 08/276,852
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: US 08/178,302
; PRIOR FILING DATE: 1994-01-06
; PRIOR APPLICATION NUMBER: PCT/US93/09328
; PRIOR FILING DATE: 1993-09-30
; PRIOR APPLICATION NUMBER: US 07/954,148
; PRIOR FILING DATE: 1992-09-30
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized
US-10-016-986-48

Query Match 31.1%; Score 33; DB 14; Length 12;
Best Local Similarity 54.5%; Pred. No. 4.2e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMGGKGAFYT 12
: : | | | | |
Db 1 SISGPGAFYT 11

RESULT 11
US-10-637-935-24
; Sequence 24, Application US/10637935
; Publication No. US20040033525A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaler, Thomas A.
; TITLE OF INVENTION: Releasable No. US20040033525A1volatile Mass-Label Molecules
; FILE REFERENCE: 24736-2057E
; CURRENT APPLICATION NUMBER: US/10/637,935
; CURRENT FILING DATE: 2003-08-07
; PRIOR APPLICATION NUMBER: US 10/202,189
; PRIOR FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 08/988,024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033,037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046,719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligopeptide
US-10-637-935-24

Query Match 31.1%; Score 33; DB 15; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 GKGGA 9
: : | | | | |
Db 7 GKGGA 12

RESULT 12
US-10-637-935-29
; Sequence 29, Application US/10637935
; Publication No. US20040033525A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaler, Thomas A.
; TITLE OF INVENTION: Releasable No. US20040033525A1volatile Mass-Label Molecules
; FILE REFERENCE: 24736-2057E
; CURRENT APPLICATION NUMBER: US/10/637,935
; CURRENT FILING DATE: 2003-08-07
; PRIOR APPLICATION NUMBER: US 10/202,189
; PRIOR FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 08/988,024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033,037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046,719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligopeptide
US-10-637-935-29

Query Match 31.1%; Score 33; DB 15; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 GKGGA 9
: : | | | | |
Db 7 GKGGA 12

RESULT 13
US-10-419-462-25
; Sequence 25, Application US/10419462
; Publication No. US20040053392A1
; GENERAL INFORMATION:
; APPLICANT: Kevin J. Williams
; APPLICANT: Williams, Kevin J.
; TITLE OF INVENTION: Thrombospondin Fragments and Uses Thereof In Clinical Assays for
; TITLE OF INVENTION: Cancer and Generation of Antibodies and Other Binding Agents
; FILE REFERENCE: W1107-20005
; CURRENT APPLICATION NUMBER: US/10/419,462
; CURRENT FILING DATE: 2003-04-17
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thrombospondin Region
US-10-419-462-25

Query Match 31.1%; Score 33; DB 15; Length 15;
Best Local Similarity 50.0%; Pred. No. 5.2e+02;

Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 8 GAFYTVTSSDDDD 19
| | | | |
Db 4 GTFFINTERDDDD 15

RESULT 14

US-10-477-238A-758

; Sequence 758, Application US/10477238A

; Publication No. US20040221326A1

; GENERAL INFORMATION:

; APPLICANT: BabiJ, Philip

; APPLICANT: Yaworsky, Paul

; APPLICANT: Bex, Frederick J. III

; APPLICANT: Bodine, Peter Van Nest

; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation

; FILE REFERENCE: 032796-212

; CURRENT APPLICATION NUMBER: US/10/477,238A

; CURRENT FILING DATE: 2003-11-10

; PRIOR APPLICATION NUMBER: US 60/290,071

; PRIOR FILING DATE: 2001-05-11

; PRIOR APPLICATION NUMBER: US 60/291,311

; PRIOR FILING DATE: 2001-05-17

; PRIOR APPLICATION NUMBER: US 60/353,058

; PRIOR FILING DATE: 2002-02-01

; PRIOR APPLICATION NUMBER: US 60/361,293

; PRIOR FILING DATE: 2002-03-04

; NUMBER OF SEQ ID NOS: 812

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 758

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: peptide from Zmax1 sequence (SEQ ID NO: 3)

US-10-477-238A-758

Query Match

Best Local Similarity 31.1%; Score 33; DB 17; Length 18;

Matches 6; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 6 KGFAYTVTSSDDDP 20
| | | | |
Db 3 KASKYYLDLNSDSDP 17

RESULT 15

US-10-680-287A-758

; Sequence 758, Application US/10680287A

; Publication No. US20040244069A1

; GENERAL INFORMATION:

; APPLICANT: BabiJ, Philip

; APPLICANT: Yaworsky, Paul

; APPLICANT: Bex, Frederick J. III

; APPLICANT: Bodine, Peter Van Nest

; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation

; FILE REFERENCE: 032796-179

; CURRENT APPLICATION NUMBER: US/10/680,287A

; CURRENT FILING DATE: 2003-10-08

; PRIOR APPLICATION NUMBER: PCT/US02/14876

; PRIOR FILING DATE: 2002-05-13

; PRIOR APPLICATION NUMBER: US 60/290,071

; PRIOR FILING DATE: 2001-05-11

; PRIOR APPLICATION NUMBER: US 60/291,311

; PRIOR FILING DATE: 2001-05-17

; PRIOR APPLICATION NUMBER: US 60/353,058

; PRIOR FILING DATE: 2002-02-01

; PRIOR APPLICATION NUMBER: US 60/361,293

; PRIOR FILING DATE: 2002-03-04

; NUMBER OF SEQ ID NOS: 812

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 758

; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: peptide from Zmax1 sequence (SEQ ID NO: 3)
US-10-680-287A-758

Query Match

Best Local Similarity 31.1%; Score 33; DB 17; Length 18;

Matches 6; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 6 KGFAYTVTSSDDDP 20
| | | | |
Db 3 KASKYYLDLNSDSDP 17

Search completed: January 26, 2005, 00:51:34

Job time : 57.6 secs

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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-6

Perfect score: 106

Sequence: 1 SAMGGKGAFTVTSSDDDP 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	87	82.1	20	3	US-08-467-023-29
2	66	62.3	15	4	US-09-142-524D-22
3	58	54.7	15	4	US-09-142-524D-21
4	51	48.1	15	4	US-09-142-524D-23
5	51	48.1	20	3	US-08-467-023-30
6	38	35.8	15	4	US-09-142-524D-20
7	38	35.8	20	3	US-08-467-023-28
8	36	34.0	14	1	US-08-290-448A-52
9	36	34.0	14	1	US-08-290-448A-52
10	36	34.0	14	1	US-08-175-069A-52
11	36	34.0	14	3	US-08-461-939B-52
12	36	34.0	14	3	US-08-464-000-52
13	34	32.1	15	2	US-08-455-625-19
14	34	32.1	15	3	US-08-455-685-19
15	34	32.1	15	3	US-08-060-988A-19
16	34	32.1	15	5	PCT-US94-05142-19
17	34	32.1	18	1	US-08-323-192D-70
18	34	32.1	20	1	US-08-257-528B-51
19	34	32.1	20	1	US-08-460-602A-51
20	34	32.1	20	1	US-08-463-966A-51
21	34	32.1	20	1	US-08-465-217A-51
22	34	32.1	20	2	US-08-464-329A-51
23	34	32.1	20	2	US-08-462-507A-51
24	34	32.1	20	2	US-08-467-881A-51
25	33	31.1	12	1	US-08-276-852-48
26	33	31.1	12	1	US-08-899-575-48
27	33	31.1	12	1	US-08-899-575-48

28	33	31.1	12	4	US-08-988-024C-24	Sequence 24, Appl
29	33	31.1	12	4	US-08-988-024C-29	Sequence 29, Appl
30	33	31.1	12	5	PCT-US95-08743-48	Sequence 48, Appl
31	32	30.2	12	1	US-08-116-733-29	Sequence 29, Appl
32	32	30.2	18	2	US-08-706-209-10	Sequence 10, Appl
33	32	30.2	18	3	US-08-981-787-6	Sequence 6, Appl
34	32	30.2	18	4	US-09-613-743A-6	Sequence 6, Appl
35	32	30.2	18	5	PCT-US96-11375-6	Sequence 6, Appl
36	32	30.2	20	3	US-08-899-279-13	Sequence 13, Appl
37	32	30.2	20	4	US-08-899-279-13	Sequence 13, Appl
38	32	30.2	20	4	US-10-047-403-13	Sequence 13, Appl
39	31	29.2	8	1	US-08-279-906A-7	Sequence 7, Appl
40	31	29.2	10	1	US-08-253-030-23	Sequence 23, Appl
41	31	29.2	10	1	US-08-323-192D-53	Sequence 53, Appl
42	31	29.2	10	1	US-08-323-192D-56	Sequence 56, Appl
43	31	29.2	10	3	US-09-256-194-3	Sequence 3, Appl
44	31	29.2	10	4	US-09-536-977-118	Sequence 118, App
45	31	29.2	11	1	US-08-257-528B-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1

US-08-467-023-29
; Sequence 29, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-29

Query Match 82.1%; Score 87; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 5.4e-07;
Matches 16; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 SAMGKGGAFYTVTSSDDDP 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 STMGGKGDLYTVTNSDDDP 20

RESULT 2

US-09-142-524D-22
; Sequence 22, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8
US-09-142-524D-22

Query Match 62.3%; Score 66; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.00068;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 KGGAFYTVTSSDDDP 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 KGGDLYTVTNSDDDP 15

RESULT 3

US-09-142-524D-21
; Sequence 21, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7
US-09-142-524D-21

Query Match 54.7%; Score 58; DB 4; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.012;
Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 SAMGKGGAFYTVTSS 15
| | | | | | | | | | | | | | | | | | | | | |
Db 1 STMGGKGDLYTVTN 15

RESULT 4

US-09-142-524D-23
; Sequence 23, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9
US-09-142-524D-23

Query Match 48.1%; Score 51; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.14;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 11 YTVTSSDDDP 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 YTVTNSDDDP 10

RESULT 5

US-08-467-023-30
; Sequence 30, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: LAHIVE & COCKFIELD
;; STREET: 60 State Street, suite 510
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02109-1875
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: IBM PC compatible
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/290,448A
;; FILING DATE: August 15, 1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/529,951
;; FILING DATE: May 29, 1990
;; APPLICATION NUMBER: US 07/325,365
;; FILING DATE: March 17, 1989
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amy E. Mandragouras
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: IMI-018CN
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)227-5941
;; INFORMATION FOR SEQ ID NO: 52:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 14 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: internal
;; US-08-290-448A-52

Query Match 34.0%; Score 36; DB 1; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 YTVTSDDDD 19
Db 1 YTVTSDDKDD 9

RESULT 9
US-08-290-448A-52
; Sequence 52, Application US/08290448A
; Patent No. 5698204
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/290,448A
; FILING DATE: August 15, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951

;; FILING DATE: May 29, 1990
;; APPLICATION NUMBER: US 07/325,365
;; FILING DATE: March 17, 1989
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amy E. Mandragouras
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: IMI-018CN
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)227-5941
;; INFORMATION FOR SEQ ID NO: 52:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 14 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: internal
;; US-08-290-448A-52

Query Match 34.0%; Score 36; DB 1; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 YTVTSDDDD 19
Db 1 YTVTSDDKDD 9

RESULT 10
US-08-175-069A-52
; Sequence 52, Application US/08175069A
; Patent No. 5776761
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/175,069A
; FILING DATE: December 29, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018DV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-175-069A-52

Query Match 34.0%; Score 36; DB 1; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

RESULT 11

US-08-461-939B-52
; Sequence 52, Application US/08461939B
; Patent No. 6335019
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-Chang
; TITLE OF INVENTION: Methods For Treating Sensitivity To A
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,939B
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/464,000
; FILING DATE: 05-JUN-1995
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CNDV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)742-4214
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-461-939B-52

Query Match 34.0%; Score 36; DB 3; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

RESULT 12

US-08-461-939B-52
; Sequence 52, Application US/08461939B
; Patent No. 6335019
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-Chang
; TITLE OF INVENTION: Methods For Treating Sensitivity To A
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,939B
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/464,000
; FILING DATE: 05-JUN-1995
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CNDV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)742-4214
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-461-939B-52

Query Match 34.0%; Score 36; DB 3; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

RESULT 13

US-08-455-625-19
; Sequence 19, Application US/08455625
; Patent No. 5932218
; GENERAL INFORMATION:
; APPLICANT: Berzofsky, Jay A.
; APPLICANT: Ahlers, Jeffrey D.
; APPLICANT: Pendleton, C. D.
; APPLICANT: Nara, Peter
; APPLICANT: Shirai, Mutsunori
; TITLE OF INVENTION: COMPOSITE SYNTHETIC PEPTIDE CONSTRUCT
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch

US-08-461-939B-52

Query Match 34.0%; Score 36; DB 3; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

US-08-464-000-52

; Sequence 52, Application US/08464000
; Patent No. 6335020
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-Chang
; TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,000
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-464-000-52

Query Match 34.0%; Score 36; DB 3; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

RESULT 13

US-08-455-625-19
; Sequence 19, Application US/08455625
; Patent No. 5932218
; GENERAL INFORMATION:
; APPLICANT: Berzofsky, Jay A.
; APPLICANT: Ahlers, Jeffrey D.
; APPLICANT: Pendleton, C. D.
; APPLICANT: Nara, Peter
; APPLICANT: Shirai, Mutsunori
; TITLE OF INVENTION: COMPOSITE SYNTHETIC PEPTIDE CONSTRUCT
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch

US-08-464-000-52

Query Match 34.0%; Score 36; DB 3; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

RESULT 13

US-08-455-625-19
; Sequence 19, Application US/08455625
; Patent No. 5932218
; GENERAL INFORMATION:
; APPLICANT: Berzofsky, Jay A.
; APPLICANT: Ahlers, Jeffrey D.
; APPLICANT: Pendleton, C. D.
; APPLICANT: Nara, Peter
; APPLICANT: Shirai, Mutsunori
; TITLE OF INVENTION: COMPOSITE SYNTHETIC PEPTIDE CONSTRUCT
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch

US-08-464-000-52

Query Match 34.0%; Score 36; DB 3; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

RESULT 13

US-08-455-625-19
; Sequence 19, Application US/08455625
; Patent No. 5932218
; GENERAL INFORMATION:
; APPLICANT: Berzofsky, Jay A.
; APPLICANT: Ahlers, Jeffrey D.
; APPLICANT: Pendleton, C. D.
; APPLICANT: Nara, Peter
; APPLICANT: Shirai, Mutsunori
; TITLE OF INVENTION: COMPOSITE SYNTHETIC PEPTIDE CONSTRUCT
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch

US-08-464-000-52

Query Match 34.0%; Score 36; DB 3; Length 14;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDDD 19
Db 1 YTVTSDKDD 9

STREET: P.O. Box 747
CITY: Falls Church
STATE: Virginia
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,625
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/060,988
FILING DATE: 14-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Svensson, Leonard R.
REGISTRATION NUMBER: 30330
REFERENCE/DOCKET NUMBER: 1173-434P
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..15
OTHER INFORMATION: /label= peptide
OTHER INFORMATION: /note= "p18-II, see Table V"
US-08-455-625-19

Query Match 32.1%; Score 34; DB 2; Length 15;
Best Local Similarity 66.7%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 GKGGAFYTV 13
Db 5 GPGRAFYTI 13

RESULT 14
US-08-455-685-19
Sequence 19, Application US/08455685
Patent No. 6214347
GENERAL INFORMATION:
APPLICANT: Berzofsky, Jay A.
APPLICANT: Ahlers, Jeffrey D.
APPLICANT: Pendleton, C. David
APPLICANT: Nara, Peter
APPLICANT: Shirai, Mutsunori
TITLE OF INVENTION: MULTIDETERMINANT PEPTIDES THAT ELICIT
TITLE OF INVENTION: HELPER T-LYMPHOCYTE, CYTOTOXIC T LYMPHOCYTE AND
TITLE OF INVENTION: NEUTRALIZING ANTIBODY RESPONSES AGAINST HIV-1
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,685
FILING DATE: 31-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/060,988
FILING DATE: 14-MAY-1993
APPLICATION NUMBER: 07/847,311
FILING DATE: 06-MAR-1992
APPLICATION NUMBER: 07/751,998
FILING DATE: 29-AUG-1991
APPLICATION NUMBER: 07/148,692
FILING DATE: 26-JAN-1988
ATTORNEY/AGENT INFORMATION:
NAME: Beattie, Ingrid A.
REGISTRATION NUMBER: P-42,306
REFERENCE/DOCKET NUMBER: 08830/022003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-455-685-19

Query Match 32.1%; Score 34; DB 3; Length 15;
Best Local Similarity 66.7%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 GKGGAFYTV 13
Db 5 GPGRAFYTI 13

RESULT 15
US-08-060-988A-19
Sequence 19, Application US/08060988A
Patent No. 6294322
GENERAL INFORMATION:
APPLICANT: Berzofsky, Jay A.
APPLICANT: Ahlers, Jeffrey D.
APPLICANT: Pendleton, C. David
APPLICANT: Nara, Peter
APPLICANT: Shirai, Mutsunori
TITLE OF INVENTION: MULTIDETERMINANT PEPTIDES
TITLE OF INVENTION: THAT ELICIT
TITLE OF INVENTION: HELPER T-LYMPHOCYTE, CYTOTOXIC T LYMPHOCYTE AND
TITLE OF INVENTION: NEUTRALIZING ANTIBODY RESPONSES AGAINST HIV-1
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/060,988A
FILING DATE: 14-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/847,311
FILING DATE: 06-MAR-1992
APPLICATION NUMBER: 07/751,998
FILING DATE: 29-AUG-1991
APPLICATION NUMBER: 07/148,692

;
; FILING DATE: 26-JAN-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Beattie, Ingrid A.
; REGISTRATION NUMBER: P-42,306
; REFERENCE/DOCKET NUMBER: 08830/022001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-060-988A-19

Query Match 32.1%; Score 34; DB 3; Length 15;
Best Local Similarity 66.7%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 GKGGAFYTV 13
Db 5 GPGRAFYTI 13

Search completed: January 26, 2005, 00:05:11
Job time : 17.9 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-7
Perfect score: 109
Sequence: 1 YVWTSSDDPVPNAPGTLRY 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	84	77.1	15	14 US-10-354-240-24	Sequence 24, Appl
2	79	72.5	15	14 US-10-354-240-23	Sequence 23, Appl
3	55	50.5	15	14 US-10-354-240-25	Sequence 25, Appl
4	51	46.8	15	14 US-10-354-240-22	Sequence 22, Appl
5	38	34.9	20	14 US-10-193-002-275	Sequence 275, App
6	38	34.9	20	14 US-10-084-843-280	Sequence 280, App
7	34	31.2	17	10 US-09-996-069-15	Sequence 15, Appl
8	34	31.2	17	10 US-09-996-069-16	Sequence 16, Appl
9	34	31.2	17	15 US-10-601-837-242	Sequence 242, App
10	34	31.2	20	14 US-10-192-832-50	Sequence 50, Appl
11	33	30.3	16	9 US-09-096-749A-3	Sequence 3, Appl
12	33	30.3	16	9 US-09-984-183-17	Sequence 17, Appl
13	33	30.3	16	9 US-09-984-333-7	Sequence 7, Appl

14	33	30.3	16	10	US-09-903-412-3	Sequence 3, Appl
15	33	30.3	16	11	US-09-143-379-1	Sequence 1, Appl
16	33	30.3	16	14	US-10-174-717A-3	Sequence 3, Appl
17	33	30.3	16	14	US-10-165-155-3	Sequence 3, Appl
18	33	30.3	16	14	US-10-190-162-3	Sequence 3, Appl
19	33	30.3	18	9	US-09-815-346-3	Sequence 3, Appl
20	33	30.3	18	14	US-10-106-876-6	Sequence 6, Appl
21	33	30.3	18	14	US-10-106-876-17	Sequence 17, Appl
22	33	30.3	19	9	US-09-815-346-2	Sequence 2, Appl
23	33	30.3	19	9	US-09-815-346-6	Sequence 6, Appl
24	33	30.3	19	14	US-10-106-876-5	Sequence 5, Appl
25	33	30.3	20	9	US-09-984-183-16	Sequence 16, Appl
26	33	30.3	20	9	US-09-822-698A-7	Sequence 7, Appl
27	33	30.3	20	9	US-09-822-698A-8	Sequence 8, Appl
28	33	30.3	20	9	US-09-984-333-6	Sequence 6, Appl
29	33	30.3	20	9	US-09-984-333-9	Sequence 9, Appl
30	33	30.3	20	10	US-09-834-240-1	Sequence 1, Appl
31	33	30.3	20	13	US-10-054-488-1	Sequence 1, Appl
32	33	30.3	20	14	US-10-289-921-1	Sequence 1, Appl
33	33	30.3	20	14	US-10-106-876-19	Sequence 19, Appl
34	33	30.3	20	14	US-10-292-896-1	Sequence 1, Appl
35	33	30.3	20	15	US-10-296-317-45	Sequence 45, Appl
36	33	30.3	20	17	US-10-776-013-354	Sequence 354, App
37	31	28.4	12	15	US-10-415-586-8	Sequence 8, Appl
38	31	28.4	18	15	US-10-378-085-17	Sequence 17, Appl
39	31	28.4	18	15	US-10-444-070-17	Sequence 17, Appl
40	31	28.4	20	9	US-09-731-221-60	Sequence 60, Appl
41	31	28.4	20	9	US-09-731-221-61	Sequence 61, Appl
42	31	28.4	20	14	US-10-047-403-13	Sequence 13, Appl
43	31	28.4	20	14	US-10-225-567A-1504	Sequence 1504, Ap
44	31	28.4	20	14	US-10-225-567A-1505	Sequence 1505, Ap
45	31	28.4	20	14	US-10-161-791-146	Sequence 146, App

ALIGNMENTS

RESULT 1

US-10-354-240-24
; Publication 24, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Some, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10
US-10-354-240-24

Query Match 77.1%; Score 84; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.7e-05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SDDPVPNAPGTLRY 20
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Db 1 SDDDPVNPAPGTLRY 15

RESULT 2

US-10-354-240-23

; Sequence 23, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; PRIOR FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 23

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9

US-10-354-240-23

Query Match 72.5%; Score 79; DB 14; Length 15;

Best Local Similarity 93.3%; Pred. No. 0.00014;

Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 1 YTVTNSDDDPVNPAP 15

RESULT 3

US-10-354-240-25

; Sequence 25, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; PRIOR FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 25

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11

US-10-354-240-25

Query Match 50.5%; Score 55; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 0.4;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 VNPAPGTLRY 20

Db 1 VNPAPGTLRY 10

RESULT 4

US-10-354-240-22

; Sequence 22, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 22

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8

US-10-354-240-22

Query Match 46.8%; Score 51; DB 14; Length 15;

Best Local Similarity 90.0%; Pred. No. 1.5;

Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSSDDDP 10

Db 6 YTVTNSDDDP 15

RESULT 5

US-10-193-002-275

; Sequence 275, Application US/10193002

; Publication No. US20030135026A1

; GENERAL INFORMATION:

; APPLICANT: Reed, Steven G.

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Dillon, Davin C.

; APPLICANT: Campos-Neto, Antonia

; APPLICANT: Houghton, Raymond

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Twardzik, Daniel R.

; APPLICANT: Lodes, Michael J.

; APPLICANT: Hendrickson, Ronald C.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS

; NUMBER OF SEQUENCES: 350

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SEED and BERRY LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: USA

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLY APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 275:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-193-002-275

Query Match 34.9%; Score 38; DB 14; Length 20;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVNPAPGT 17
|::|||
Db 6 PMHPAPGT 13

RESULT 6
US-10-084-843-280
; Sequence 280, Application US/10084843
; Publication No. US20030143243A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; Skeiky, Yasir A.W.
; Dillon, Davin C.
; Campos-Neto, Antonio
; Houghton, Raymond
; Vedrick, Thomas S.
; Twardzik, Daniel R.
; Lodes, Michael J.
; Hendrickson, Ronald C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
; NUMBER OF SEQUENCES: 355
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; City: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/084,843
; FILING DATE: 25-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/072,967
; FILING DATE: 05-MAY-1998
; ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 280:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 280:
US-10-084-843-280

Query Match 34.9%; Score 38; DB 14; Length 20;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVNPAPGT 17
|::|||
Db 6 PMHPAPGT 13

RESULT 7
US-09-996-069-15
; Sequence 15, Application US/09996069
; Publication No. US20030036199A1
; GENERAL INFORMATION:
; APPLICANT: Bamdad, Cynthia
; TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBIT
; TITLE OF INVENTION: AND COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER
; FILE REFERENCE: M01015/70071
; CURRENT APPLICATION NUMBER: US/09/996,069
; CURRENT FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-996-069-15

Query Match 31.2%; Score 34; DB 10; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.8e+02;
Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY 3 VTSSDDPVNPAPGTLR 19
|::|||
Db 1 VMLGETNPADSKPGTIR 17

RESULT 8
US-09-996-069-16
; Sequence 16, Application US/09996069
; Publication No. US20030036199A1
; GENERAL INFORMATION:
; APPLICANT: Bamdad, Cynthia
; TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBIT
; TITLE OF INVENTION: AND COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER
; FILE REFERENCE: M01015/70071
; CURRENT APPLICATION NUMBER: US/09/996,069
; CURRENT FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-996-069-16

Query Match 31.2%; Score 34; DB 10; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.8e+02;
Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY 3 VTSSDDDPVNPACTLR 19
DB 1 VMLGETNPADSKRGITR 17

RESULT 9
US-10-601-837-242
; Sequence 242, Application US/10601837
; Publication No. US20040053309A1
; GENERAL INFORMATION:
; APPLICANT: Holt, Gordon D
; APPLICANT: Kelly, Michael D
; APPLICANT: Kennedy, Sandra J
; APPLICANT: Moyses, Christopher
; TITLE OF INVENTION: Proteins, Genes and Their Use for Diagnosis and Treatment of Kidn
; FILE OF INVENTION: Response
; FILE REFERENCE: 2543-1-030
; CURRENT APPLICATION NUMBER: US/10/601,837
; PRIOR FILING DATE: 2003-06-23
; PRIOR APPLICATION NUMBER: PCT/GB01/05777
; PRIOR FILING DATE: 2001-12-24
; PRIOR APPLICATION NUMBER: US 60/260392
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 272
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 242
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Ratus No. US20040053309A1vegicus
US-10-601-837-242

Query Match 31.2%; Score 34; DB 15; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.8e+02;
Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY 3 VTSSDDDPVNPACTLR 19
DB 1 VMLGETNPADSKRGITR 17

RESULT 10
US-10-192-832-50
; Sequence 50, Application US/10192832
; Publication No. US20030176335A1
; GENERAL INFORMATION:
; APPLICANT: ZHANG, SHUGUANG
; APPLICANT: VAUTHEY, SYLVAIN
; TITLE OF INVENTION: SURFACTANT PEPTIDE NANOSTRUCTURES, AND USES THEREOF
; FILE REFERENCE: MTV-043.01
; CURRENT APPLICATION NUMBER: US/10/192,832
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: 60/304,256
; PRIOR FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 50
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-192-832-50

Query Match 31.2%; Score 34; DB 14; Length 20;
Best Local Similarity 66.7%; Pred. No. 5.8e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 7 DDDPVNPAP 15
DB 8 DDDPPPPPP 16

RESULT 11
US-09-096-749A-3
; Sequence 3, Application US/09096749A
; Patent No. US20020019517A1
; GENERAL INFORMATION:
; APPLICANT: Koieda, Shohei
; TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth P.A.
; STREET: 121 South Eighth Street, Ste. 1600
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/096,749A
; FILING DATE: June 12, 1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ann S. Viksnins
; REGISTRATION NUMBER: 37,748
; REFERENCE/DOCKET NUMBER: 109,034US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (612) 373-6900
; TELEFAX: (612) 339-3061
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
US-09-096-749A-3

Query Match 30.3%; Score 33; DB 9; Length 16;
Best Local Similarity 40.0%; Pred. No. 6.3e+02;
Matches 6; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 1 YTVTSDDDPVNPAP 15
DB 1 YAVTGRGDSPASSKP 15

RESULT 12
US-09-984-183-17
; Sequence 17, Application US/09984183
; Patent No. US20020142983A1
; GENERAL INFORMATION:
; APPLICANT: AGRAWAL, BABITA
; APPLICANT: LONGENECKER, MICHAEL B.
; TITLE OF INVENTION: MUC-1 ANTAGONISTS AND METHODS OF TREATING IMMUNE
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: 042881/0130
; CURRENT APPLICATION NUMBER: US/09/984,183
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 09/457,354

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; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/111,973
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-183-17

Query Match      30.3%; Score 33; DB 9; Length 16;
Best Local Similarity 53.3%; Pred. No. 6.3e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 3; Gaps 1;

QY 3 VTSSDDDPVNPAPGT 17
Db 2 VTSAPD--TRPAPGS 14

RESULT 13
US-09-984-333-7
; Sequence 7, Application US/09984333
; Patent No. US20020159969A1
; GENERAL INFORMATION:
; APPLICANT: AGRAWAL, Babita
; APPLICANT: LONGENECKER, Bryan Michael
; APPLICANT: REDDISH, Mark Austin
; TITLE OF INVENTION: SMALL PEPTIDE-BASED THERAPEUTICS FOR REVERSING
; TITLE OF INVENTION: CANCER-ASSOCIATED MUC-1 MUCIN-INDUCED IMMUNOSUPPRESSION
; FILE REFERENCE: 042881/0116
; CURRENT APPLICATION NUMBER: US/09/984,333
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US 09/182,887
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/064,146
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065,209
; PRIOR FILING DATE: 1997-11-12
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-333-7

Query Match      30.3%; Score 33; DB 9; Length 16;
Best Local Similarity 53.3%; Pred. No. 6.3e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 3; Gaps 1;

QY 3 VTSSDDDPVNPAPGT 17
Db 2 VTSAPD--TRPAPGS 14

RESULT 14
US-09-903-412-3
; Sequence 3, Application US/09903412
; Publication No. US20030027319A1
; GENERAL INFORMATION:
; APPLICANT: Koide, Shohei
; TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES
; FILE REFERENCE: 109.050US1
; CURRENT APPLICATION NUMBER: US/09/903,412
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: US 60/217,474
; PRIOR FILING DATE: 2000-07-11
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-903-412-3

Query Match      30.3%; Score 33; DB 10; Length 16;
Best Local Similarity 40.0%; Pred. No. 6.3e+02;
Matches 6; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 1 YVTSSDDDPVNPAP 15
Db 1 YAVTGRGDSFASPKP 15

RESULT 15
US-09-143-379-1
; Sequence 1, Application US/09143379
; Publication No. US2004007826A1
; GENERAL INFORMATION:
; APPLICANT: KOGANTY, R. Rao
; APPLICANT: QIU, Dongxu
; APPLICANT: GANDHI, Sham
; TITLE OF INVENTION: RANDOMLY GENERATED GLYPEPTIDE COMBINATORIAL LIBRARIES
; FILE REFERENCE: 042881/0119
; CURRENT APPLICATION NUMBER: US/09/143,379
; CURRENT FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: 60/056,240
; EARLIER FILING DATE: 1997-08-28
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from cancer-associated MUC1
US-09-143-379-1

Query Match      30.3%; Score 33; DB 11; Length 16;
Best Local Similarity 53.3%; Pred. No. 6.3e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

QY 3 VTSSDDDPVNPAPGT 17
Db 2 VTSAPD--TRPAPGS 14

Search completed: January 26, 2005, 00:51:35
Job time : 56.6 secs
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-7

Perfect score: 109

Sequence: 1 YTVTSSDDDPVNPACTLRY 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/prodata/1/iaa/PCITUS_COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	97.2	20	3	US-08-467-023-30
2	84	77.1	15	4	US-09-142-524D-24
3	79	72.5	15	4	US-09-142-524D-23
4	55	50.5	15	4	US-09-142-524D-25
5	55	50.5	20	3	US-08-467-023-31
6	51	46.8	15	4	US-09-142-524D-22
7	51	46.8	20	3	US-08-467-023-29
8	39	35.8	14	1	US-08-290-448A-52
9	39	35.8	14	1	US-08-290-448A-52
10	39	35.8	14	1	US-08-175-069A-52
11	39	35.8	14	3	US-08-461-939B-52
12	39	35.8	14	3	US-08-464-000-52
13	38	34.9	20	4	US-09-072-596-275
14	38	34.9	20	4	US-09-072-967-280
15	35	32.1	20	2	US-08-934-915-10
16	35	32.1	20	2	US-08-934-915-17
17	34	31.2	20	4	US-08-636-047-13
18	33	30.3	14	2	US-08-463-230A-12
19	33	30.3	15	2	US-08-122-546-18
20	33	30.3	15	2	US-08-764-938-18
21	33	30.3	15	3	US-09-131-052-18
22	33	30.3	15	3	US-09-131-053A-18
23	33	30.3	16	3	US-09-339-944-7
24	33	30.3	16	3	US-08-737-896-1
25	33	30.3	16	4	US-09-638-202A-3
26	33	30.3	16	4	US-09-497-232-15
27	33	30.3	16	4	US-09-651-265-12

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Sequence 6, Appli
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Sequence 20, Appli
Sequence 10, Appli
Sequence 6, Appli

28 33 30.3 16 4 US-09-096-749A-3
29 33 30.3 16 4 US-09-637-614-3
30 33 30.3 16 5 PCT-US96-09951-1
31 33 30.3 20 1 US-08-328-536-1
32 33 30.3 20 1 US-07-990-296-6
33 33 30.3 20 1 US-08-440-861-40
34 33 30.3 20 2 US-08-480-133A-6
35 33 30.3 20 2 US-08-833-807-8
36 33 30.3 20 3 US-08-804-439A-111
37 33 30.3 20 3 US-09-339-944-6
38 33 30.3 20 3 US-09-223-043-8
39 33 30.3 20 3 US-08-134-198E-35
40 33 30.3 20 3 US-09-291-351-1
41 33 30.3 20 3 US-09-043-731-16
42 33 30.3 20 4 US-08-566-421-1
43 33 30.3 20 4 US-09-593-870A-20
44 33 30.3 20 4 US-09-497-232-10
45 33 30.3 20 4 US-09-651-265-6

ALIGNMENTS

RESULT 1
US-08-467-023-30
; Sequence 30, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-30

Query Match 97.2%; Score 106; DB 3; Length 20;
Best Local Similarity 95.0%; Pred. No. 3.7e-09;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPVNPAPGTLRY 20
|||||:|||||:|||||:|||||
Db 1 YTVTNSDDDPVNPAPGTLRY 20

RESULT 2

US-09-142-524D-24
; Sequence 24, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10
US-09-142-524D-24

Query Match 77.1%; Score 84; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SDDDPVNPAPGTLRY 20
|||||:|||||:|||||:|||||
Db 1 SDDDPVNPAPGTLRY 15

RESULT 3

US-09-142-524D-23
; Sequence 23, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9
US-09-142-524D-23

Query Match 72.5%; Score 79; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 2.3e-05;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPVNPAP 15
|||||:|||||:|||||:|||||
Db 1 YTVTNSDDDPVNPAP 15

RESULT 4

US-09-142-524D-25
; Sequence 25, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11
US-09-142-524D-25

Query Match 50.5%; Score 55; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.075;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 VNPAPGTLRY 20
|||||:|||||:|||||:|||||
Db 1 VNPAPGTLRY 10

RESULT 5

US-08-467-023-31
; Sequence 31, Application US/08467023
; Patent No. 6090396
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154


```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-31

Query Match 50.5%; Score 55; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.1;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 VNPAGTGLRY 20
DB 1 VNPAGTGLRY 10

RESULT 6
US-09-142-524D-22
; Sequence 22, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 22
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8
US-09-142-524D-22

Query Match 46.8%; Score 51; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.29;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSDDDP 10
DB 6 YTVTSDDDP 15

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-31

Query Match 46.8%; Score 51; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.4;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSDDDP 10
DB 11 YTVTSDDDP 20

RESULT 7
US-08-467-023-29
; Sequence 29, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-29

Query Match 46.8%; Score 51; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.4;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSDDDP 10
DB 11 YTVTSDDDP 20

RESULT 8
US-08-290-448A-52
; Sequence 52, Application US/08290448A
; Patent No. 5676954
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-Chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
```

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: August 15, 1994
APPLICATION NUMBER: US/08/290,448A
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-290-448A-52

Query Match 35.8%; Score 39; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YTVTSDDDPV 11
DB 1 YTVTSKDDV 11

RESULT 9
US-08-290-448A-52
Sequence 52, Application US/08290448A
Patent No. 5698204
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: August 15, 1994
APPLICATION NUMBER: US/08/290,448A
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951

```

```

FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-290-448A-52

Query Match 35.8%; Score 39; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YTVTSDDDPV 11
DB 1 YTVTSKDDV 11

RESULT 10
US-08-175-069A-52
Sequence 52, Application US/08175069A
Patent No. 5776761
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 60 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/175,069A
FILING DATE: December 29, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal

```

US-08-175-069A-52

Query Match 35.8%; Score 39; DB 1; Length 14;
Best Local Similarity 72.7%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPV 11
|||||
Db 1 YTVTSKDDDV 11

RESULT 11

US-08-461-939B-52
; Sequence 52, Application US/08461939B
; Patent No. 6335019
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Methods For Treating Sensitivity To A
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,939B
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/464,000
; FILING DATE: 05-JUN-1995
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CNDV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-461-939B-52

Query Match 35.8%; Score 39; DB 3; Length 14;
Best Local Similarity 72.7%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPV 11
|||||
Db 1 YTVTSKDDDV 11

RESULT 12

US-08-464-000-52
; Sequence 52, Application US/08464000
; Patent No. 6335020
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,000
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-464-000-52

Query Match 35.8%; Score 39; DB 3; Length 14;
Best Local Similarity 72.7%; Pred. No. 15;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPV 11
|||||
Db 1 YTVTSKDDDV 11

RESULT 13

US-09-072-596-275
; Sequence 275, Application US/09072596
; Patent No. 6458366
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Campos-Neto, Antonia
; APPLICANT: Houghton, Raymond
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Hendrickson, Ronald C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
; NUMBER OF SEQUENCES: 350

US-09-072-596-275
; Sequence 275, Application US/09072596
; Patent No. 6458366
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Campos-Neto, Antonia
; APPLICANT: Houghton, Raymond
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Hendrickson, Ronald C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
; NUMBER OF SEQUENCES: 350

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: SEED AND BERRY LLP
;; STREET: 6300 Columbia Center, 701 Fifth Avenue
;; CITY: Seattle
;; STATE: Washington
;; COUNTRY: USA
;; ZIP: 98104-7092
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/072,596
;; FILING DATE: 05-MAY-1998
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Maki, David J.
;; REGISTRATION NUMBER: 31,392
;; REFERENCE/DOCKET NUMBER: 210121.417C9
;; TELEPHONE: (206) 622-4900
;; TELEFAX: (206) 682-6031
;; INFORMATION FOR SEQ ID NO: 275:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-09-072-596-275

Query Match 34.9%; Score 38; DB 4; Length 20;
Best Local Similarity 75.0%; Pred. No. 31;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVPAPGTT 17
|:|||||
Db 6 PMPAPGTT 13

RESULT 14
US-09-072-967-280
; Sequence 280, Application US/09072967
; Patent No. 6592877
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Houghton, Raymond
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Hendrickson, Ronald C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
; NUMBER OF SEQUENCES: 355
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/072,967
; FILING DATE: 05-MAY-1998

;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Maki, David J.
;; REGISTRATION NUMBER: 31,392
;; REFERENCE/DOCKET NUMBER: 210121.411C9
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 622-4900
;; TELEFAX: (206) 682-6031
;; INFORMATION FOR SEQ ID NO: 280:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-09-072-967-280

Query Match 34.9%; Score 38; DB 4; Length 20;
Best Local Similarity 75.0%; Pred. No. 31;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVPAPGTT 17
|:|||||
Db 6 PMPAPGTT 13

RESULT 15
US-08-934-915-10
; Sequence 10, Application US/08934915
; Patent No. 5932412
; GENERAL INFORMATION:
; APPLICANT: DILLNER, JOAKIM
; APPLICANT: DILLNER, LENA
; APPLICANT: CHENG, HWEE-MING
; TITLE OF INVENTION: SYNTHETIC PEPTIDES OF HUMAN
; TITLE OF INVENTION: PAPILLOMAVIRUS 1, 5, 6, 8,
; TITLE OF INVENTION: 11, 16, 18, 31, 33 AND 56,
; TITLE OF INVENTION: USEFUL IN IMMUNOASSAY FOR
; TITLE OF INVENTION: DIAGNOSTIC PURPOSES
; NUMBER OF SEQUENCES: 193
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MASON & ASSOCIATES, P.A.
; STREET: 17757 U.S. HWY. 19 NORTH, SUITE 500
; CITY: CLEARWATER
; STATE: FLORIDA
; COUNTRY: U.S.A.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 3.0
; SOFTWARE: Microsoft Word 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,915
; FILING DATE: 22-SEP-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/949,836
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: LOUISE A. Foutch
; REGISTRATION NUMBER: 37,133
; REFERENCE/DOCKET NUMBER: 1946.6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 813-538-3800
; TELEFAX: 813-538-3820
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-934-915-10

Query Match	32.1%;	Score 35;	DB 2;	Length 20;
Best Local Similarity	40.0%;	Pred. NO. 86;		
Matches	6;	Conservative	3;	Mismatches 6; Indels 0; Gaps 0;
Qy	1	YVTTSDDDPVNPAP	15	
		: : : :		
Db	5	FVWSSDSGFSSTP	19	

Search completed: January 26, 2005, 00:05:12
Job time : 17.9 secs

This Page Blank (uspto)

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-8

Perfect score: 108

Sequence: 1 VNPAPGTLRYGATRSRLWI 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*

2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*

3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*

4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*

5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*

6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*

7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*

8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*

9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*

10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*

11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*

12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*

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18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*

19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*

20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	77	71.3	15	14	US-10-354-240-25
2	72	66.7	15	14	US-10-354-240-26
3	55	50.9	15	14	US-10-354-240-24
4	45	41.7	15	14	US-10-354-240-27
5	38	35.2	20	14	US-10-280-066-259
6	35	32.4	19	10	US-09-977-797A-116
7	34	31.5	20	16	US-10-679-246-15
8	33	30.6	17	14	US-10-029-386-33100
9	32	29.6	14	14	US-10-199-820-243
10	32	29.6	15	14	US-10-206-699-188
11	32	29.6	18	8	US-08-996-140-14
12	32	29.6	20	8	US-08-677-599B-2
13	32	29.6	20	10	US-09-804-980-255
					Sequence 25, Appl
					Sequence 26, Appl
					Sequence 24, Appl
					Sequence 27, Appl
					Sequence 259, App
					Sequence 116, App
					Sequence 15, Appl
					Sequence 33100, A
					Sequence 243, App
					Sequence 188, App
					Sequence 14, Appl
					Sequence 2, Appl1
					Sequence 255, App

14	31	28.7	13	15	US-10-469-304-52	Sequence 52, Appl
15	31	28.7	17	14	US-10-083-768-167	Sequence 167, App
16	31	28.7	20	8	US-08-677-599B-9	Sequence 9, Appl1
17	31	28.7	20	14	US-10-193-002-275	Sequence 275, App
18	31	28.7	20	14	US-10-084-843-280	Sequence 280, App
19	30.5	28.2	17	10	US-09-996-069-15	Sequence 15, Appl
20	30.5	28.2	17	10	US-09-996-069-16	Sequence 16, Appl
21	30.5	28.2	17	15	US-10-601-837-242	Sequence 242, App
22	30	27.8	19	15	US-10-425-855-5	Sequence 5, Appl1
23	30	27.8	19	16	US-10-722-503-7	Sequence 7, Appl1
24	30	27.8	19	17	US-10-645-659-7	Sequence 7, Appl1
25	30	27.8	20	9	US-09-987-137-10	Sequence 10, Appl1
26	29.5	27.3	13	15	US-10-468-370-428	Sequence 428, App
27	29.5	27.3	13	16	US-10-468-496-384	Sequence 384, App
28	29.5	27.3	14	15	US-10-706-466-7	Sequence 7, Appl1
29	29	26.9	9	15	US-10-398-104-83	Sequence 83, Appl
30	29	26.9	10	10	US-09-572-404B-1310	Sequence 1310, App
31	29	26.9	10	10	US-09-572-404B-2228	Sequence 2228, App
32	29	26.9	10	10	US-09-572-404B-2412	Sequence 2412, App
33	29	26.9	11	15	US-10-398-104-223	Sequence 223, App
34	29	26.9	15	8	US-08-424-550B-460	Sequence 460, App
35	29	26.9	16	14	US-10-225-567A-1062	Sequence 1062, App
36	29	26.9	16	14	US-10-444-575-19	Sequence 19, Appl
37	29	26.9	18	9	US-09-829-855-239	Sequence 239, App
38	29	26.9	18	14	US-10-206-699-276	Sequence 276, App
39	29	26.9	18	15	US-10-387-977-34	Sequence 34, Appl
40	29	26.9	18	16	US-10-607-077A-239	Sequence 239, App
41	28.5	26.4	14	17	US-10-865-478-812	Sequence 812, App
42	28	25.9	10	14	US-10-304-160-18	Sequence 18, Appl
43	28	25.9	10	14	US-10-304-059-38	Sequence 38, Appl
44	28	25.9	12	9	US-09-922-199A-16	Sequence 16, Appl
45	28	25.9	12	14	US-10-190-082-296	Sequence 296, App

ALIGNMENTS

RESULT 1

US-10-354-240-25

; Sequence 25, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SFO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 25

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Ceryl peptide, Figure 1, Row 11

US-10-354-240-25

Query Match 71.3%; Score 77; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 5.9e-05;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAPGTLRYGATRE 15

|||||

Db 1 VNPAGTLYGATRD 15

RESULT 2

US-10-354-240-26

; Sequence 26, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; PRIOR FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 26

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12

US-10-354-240-26

Query Match 66.7%; Score 72; DB 14; Length 15;

Best Local Similarity 86.7%; Pred. No. 0.00036;

Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 GTLYRGATRSLWI 20

Db 1 GTLYRGATRDPLWI 15

RESULT 3

US-10-354-240-24

; Sequence 24, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; PRIOR FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 24

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10

US-10-354-240-24

Query Match 50.9%; Score 55; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 0.16;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAGTLY 10

Db 6 VNPAGTLY 15

RESULT 4

US-10-354-240-27

; Sequence 27, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 27

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13

US-10-354-240-27

Query Match 41.7%; Score 45; DB 14; Length 15;

Best Local Similarity 80.0%; Pred. No. 5.9;

Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 GATRSLWI 20

Db 1 GATRDPLWI 10

RESULT 5

US-10-280-066-259

; Sequence 259, Application US/10280066

; Publication No. US20030180718A1

; GENERAL INFORMATION:

; APPLICANT: Pillutla, Renuka C.

; APPLICANT: Brissette, Renee

; APPLICANT: Spruyt, Michael

; APPLICANT: Dedova, Olga

; APPLICANT: Blume, Arthur J.

; APPLICANT: Prendergast, John

; APPLICANT: Goldstein, Neil I.

; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING AGENTS

; FILE REFERENCE: 2598-4009US1

; CURRENT APPLICATION NUMBER: US/10/280,066

; CURRENT FILING DATE: 2002-10-24

; PRIOR APPLICATION NUMBER: 60/345,471

; PRIOR FILING DATE: 2001-10-24

; NUMBER OF SEQ ID NOS: 537

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 259

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Escherichia coli

; FEATURE:

; NAME/KEY: MISC FEATURE

OTHER INFORMATION: 0700902-Hras-20M-PP-BC-DB8
US-10-280-066-259

Query Match 35.2%; Score 38; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 98;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 11 GATRSRLWI 20
| | | | |
DB 7 GVQRERLW 16

RESULT 6
US-09-977-797A-116
; Sequence 116, Application US/09977797A
; Publication No. US20030044772A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffrey D.
; APPLICANT: Huse, William D.
; APPLICANT: Wu, Herren
; TITLE OF INVENTION: Methods for Identifying Ligand Specific Binding Molecules
; FILE REFERENCE: AME-06805
; CURRENT APPLICATION NUMBER: US/09/977,797A
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: 09/129,026
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 08/905,825
; PRIOR FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 116
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-797A-116

Query Match 32.4%; Score 35; DB 10; Length 19;
Best Local Similarity 53.8%; Pred. No. 2.7e+02;
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 7 TLRYGATRSRLW 19
| | | | |
DB 4 TSRYTLRRFSIW 16

RESULT 7
US-10-679-246-15
; Sequence 15, Application US/10679246
; Publication No. US20040163138A1
; GENERAL INFORMATION:
; APPLICANT: Reed, John C.
; APPLICANT: Matsuzawa, Shu-ichi
; TITLE OF INVENTION: Nucleic Acid Encoding Proteins Involved
; FILE REFERENCE: 66821-235
; CURRENT APPLICATION NUMBER: US/10/679,246
; CURRENT FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: US 09/591,694
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-679-246-15

Query Match 31.5%; Score 34; DB 16; Length 20;
Best Local Similarity 52.9%; Pred. No. 4.1e+02;
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 4 APCTLYGATRSRLWI 20
: | | | | | : | | | |

DB 3 SPGALRSGSLRCISLRI 19

RESULT 8
US-10-029-386-33100
; Sequence 33100, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GI
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 33100
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000532.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.94
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.98
US-10-029-386-33100

Query Match 30.6%; Score 33; DB 14; Length 17;
Best Local Similarity 60.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 PAPGTLRYGA 12
| | | | |
DB 5 PVPGALHLGA 14

RESULT 9
US-10-199-820-243
; Sequence 243, Application US/10199820
; Publication No. US20030180739A1
; GENERAL INFORMATION:
; APPLICANT: Board of Trustees of the University of Illinois
; APPLICANT: Primiano, Thomas
; APPLICANT: Chang, Bey-dih
; APPLICANT: Roninson, Igor
; TITLE OF INVENTION: Methods and Reagents for Identifying Gene Targets for Treating Car
; FILE REFERENCE: 99,216-U
; CURRENT APPLICATION NUMBER: US/10/199,820
; CURRENT FILING DATE: 2002-09-23
; NUMBER OF SEQ ID NOS: 314
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 243
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-199-820-243

Query Match 29.6%; Score 32; DB 14; Length 14;
Best Local Similarity 63.6%; Pred. No. 6e+02;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 9 RYGATRSRLW 19
| | | | |
DB 1 RGGADDERSSW 11

RESULT 10
US-10-206-699-188
; Sequence 188, Application US/10206699
; Publication No. US20030100510A1
; GENERAL INFORMATION:
; APPLICANT: Sundaramoorthy, M.

APPLICANT: Hudson, B.
TITLE OF INVENTION: Crystallized structure of Type IV Collagen NC1 Domain Hexamer
FILE REFERENCE: MEHB 01-1017
CURRENT APPLICATION NUMBER: US/10/206,699
CURRENT FILING DATE: 2002-07-26
PRIOR APPLICATION NUMBER: US 60/308,523
PRIOR FILING DATE: 2001-07-27
PRIOR APPLICATION NUMBER: US 60/351,289
PRIOR FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: US 60/366,854
PRIOR FILING DATE: 2002-03-22
PRIOR APPLICATION NUMBER: US 60/385,362
PRIOR FILING DATE: 2002-06-03
NUMBER OF SEQ ID NOS: 307
SOFTWARE: PatentIn version 3.1
SEQ ID NO 188
LENGTH: 15
TYPE: PRT
ORGANISM: Homo sapiens
US-10-206-699-188

Query Match 29.6%; Score 32; DB 14; Length 15;
Best Local Similarity 50.0%; Pred. No. 6.4e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 PAPTLYRGATR 14
Db 4 PTPSTLKAGELR 15

RESULT 11
US-08-996-140-14
Sequence 14, Application US/08996140
Publication No. US20030190318A1
GENERAL INFORMATION:
APPLICANT: TORIGOE, Kakuji
APPLICANT: USHIO, Shimpel
APPLICANT: KUNIKATA, Toshio
APPLICANT: KURIMOTO, Masashi
TITLE OF INVENTION: INTERLEUKIN-18 RECEPTOR PROTEINS
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/996,140
FILING DATE: 22-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 356,426/1996
FILING DATE: 26-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 52,526/1997
FILING DATE: 21-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 163,490/1997
FILING DATE: 6-JUN-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 215,490/1997
FILING DATE: 28-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TORIGOE-2
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal fragment
US-08-996-140-14

Query Match 29.6%; Score 32; DB 8; Length 18;
Best Local Similarity 45.5%; Pred. No. 7.7e+02;
Matches 5; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 VNPAGTLYRG 11
Db 2 IDPANGDTKYG 12

RESULT 12
US-08-677-599B-2
Sequence 2, Application US/08677599B
Publication No. US20020155117A1
GENERAL INFORMATION:
APPLICANT: Sucia-Foca, Nicole
TITLE OF INVENTION: METHODS FOR DETECTING ORGAN ALLOGRAFT
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/677,599B
FILING DATE: 08-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White Esq., John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50161-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212/278/0400
TELEFAX: 212/391/0525
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-677-599B-2

Query Match 29.6%; Score 32; DB 8; Length 20;
Best Local Similarity 66.7%; Pred. No. 8.5e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 11 GATRRSLW 19
Db 1 GKTRPFLW 9

RESULT 13
US-09-804-980-255
Sequence 255, Application US/09804980

```
; Publication No. US20030147897A1
; GENERAL INFORMATION:
; APPLICANT: Statens Serum Institut
; APPLICANT: Anderson, Peter
; TITLE OF INVENTION: M. Tuberculosis Antigens
; FILE REFERENCE: 670001-2002.4
; CURRENT APPLICATION NUMBER: US/09/804,980
; CURRENT FILING DATE: 2001-03-12
; NUMBER OF SEQ ID NOS: 257
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 255
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-804-980-255

Query Match      29.6%; Score 32; DB 10; Length 20;
Best Local Similarity 46.7%; Pred. No. 8.5e+02;
Matches 7; Conservative 3; Mismatches 3; Indels 2; Gaps 1;

QY      6 GTLRVGATRRSLWI 20
Db      3 GTIRVGSFRGR--WL 15

RESULT 14
US-10-469-304-52
; Sequence 52, Application US/10469304
; Publication No. US20040091974A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; TITLE OF INVENTION: Anti HLA-DR antibody
; FILE REFERENCE: PH-1646-PCT
; CURRENT APPLICATION NUMBER: US/10/469,304
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: JP2001/317054
; PRIOR FILING DATE: 2001-10-15
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:peptide
US-10-469-304-52

Query Match      28.7%; Score 31; DB 15; Length 13;
Best Local Similarity 66.7%; Pred. No. 7.9e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      11 GATRRSLW 19
Db      1 GDTTRPFLW 9

RESULT 15
US-10-083-768-167
; Sequence 167, Application US/10083768
; Publication No. US20030158116A1
; GENERAL INFORMATION:
; APPLICANT: Dower, William J.
; Barrett, Ronald W.
; Cwirla, Steven E.
; Duffin, David J.
; Gates, Christian
; Haselden, Sherril S.
; Matheakis, Larry C.
; Schatz, Peter J.
; Wagstrom, Christopher R.
; Wrighton, Nicholas C.
; TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A
; THROMBOPOIETIN RECEPTOR
```

```
; NUMBER OF SEQUENCES: 232
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Glaxo Wellcome
; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/10/083,768
; APPLICATION NUMBER: US/10/083,768
; FILING DATE: 27-Feb-2002
; ATTORNEY/AGENT INFORMATION:
; NAME: Hrubic, Robert T.
; REGISTRATION NUMBER: 36,392
; REFERENCE/DOCKET NUMBER: PK3065USW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-248-1000
; INFORMATION FOR SEQ ID NO: 167:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 167:
US-10-083-768-167

Query Match      28.7%; Score 31; DB 14; Length 17;
Best Local Similarity 50.0%; Pred. No. 1e+03;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

QY      9 RYGATRRSLWI 20
Db      1 RYGCTRHQ--WL 10

Search completed: January 26, 2005, 00:51:36
Job time : 56.6 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-8
Perfect score: 108
Sequence: 1 VNPAPGTLRYGATRSLMI 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/1/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	100	92.6	20	3	US-08-467-023-31
2	77	71.3	15	4	US-09-142-524D-25
3	72	66.7	15	4	US-09-142-524D-26
4	55	50.9	15	4	US-09-142-524D-24
5	55	50.9	20	3	US-08-467-023-30
6	45	41.7	15	4	US-09-142-524D-27
7	45	41.7	20	3	US-08-467-023-32
8	34	31.5	20	4	US-09-591-694-15
9	32	29.6	18	4	US-09-649-063-14
10	31	28.7	16	1	US-07-942-245-132
11	31	28.7	16	6	5171838-14
12	31	28.7	17	2	US-08-764-640-167
13	31	28.7	17	3	US-08-973-225-167
14	31	28.7	17	3	US-09-244-298A-167
15	31	28.7	17	3	US-09-516-704-167
16	31	28.7	17	4	US-09-549-090-167
17	31	28.7	17	4	US-09-832-230A-167
18	31	28.7	17	6	5171838-15
19	31	28.7	18	3	US-09-100-409A-16
20	31	28.7	18	6	5171838-16
21	31	28.7	19	2	US-08-729-152-14
22	31	28.7	19	6	5171838-17
23	31	28.7	20	2	US-08-480-190-42
24	31	28.7	20	2	US-08-488-379-42
25	31	28.7	20	4	US-09-072-596-275
26	31	28.7	20	4	US-08-475-399A-42
27	31	28.7	20	4	US-09-072-967-280

28	31	28.7	20	4	US-08-077-255A-42	Sequence 42, Appl
29	31	28.7	20	5	PCT-US93-07545-42	Sequence 42, Appl
30	31	28.7	20	6	5171838-18	Patent No. 5171838
31	30	27.8	16	1	US-07-942-245-208	Sequence 208, App
32	29.5	27.3	14	4	US-09-586-216C-7	Sequence 7, Appl
33	29	26.9	13	4	US-09-291-289-32	Sequence 32, Appl
34	29	26.9	15	4	US-08-469-260A-460	Sequence 460, App
35	29	26.9	15	4	US-08-488-446-460	Sequence 460, App
36	29	26.9	15	4	US-08-467-344A-460	Sequence 460, App
37	29	26.9	15	4	US-08-424-550B-460	Sequence 460, App
38	29	26.9	18	4	US-09-829-855-239	Sequence 239, App
39	28	25.9	13	4	US-09-291-289-9	Sequence 9, Appl
40	28	25.9	13	4	US-09-291-289-31	Sequence 31, Appl
41	28	25.9	15	4	US-09-142-524D-23	Sequence 23, Appl
42	28	25.9	16	1	US-07-942-245-131	Sequence 131, App
43	28	25.9	16	1	US-07-942-245-135	Sequence 135, App
44	28	25.9	16	1	US-07-942-245-139	Sequence 139, App
45	28	25.9	16	1	US-07-942-245-149	Sequence 149, App

ALIGNMENTS

RESULT 1
US-08-467-023-31
; Sequence 31, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-31

Query Match 92.6%; Score 100; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 7.5e-10;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 VNPAGTLRYGATRRSLWI 20
|||||:|||||:|||||
Db 1 VNPAGTLRYGATRRDPLWI 20

RESULT 2

US-09-142-524D-25
; Sequence 25, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 25
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11
US-09-142-524D-25

Query Match 71.3%; Score 77; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 3.3e-06;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAGTLRYGATRE 15
|||||:|||||:|||||
Db 1 VNPAGTLRYGATRD 15

RESULT 3

US-09-142-524D-26
; Sequence 26, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 26
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12
US-09-142-524D-26

Query Match 66.7%; Score 72; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.2e-05;
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 GTLYRGATRRSLWI 20
|||||:|||||:|||||
Db 1 GTLYRGATRRDPLWI 15

RESULT 4

US-09-142-524D-24
; Sequence 24, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 24
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10
US-09-142-524D-24

Query Match 50.9%; Score 55; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAGTLRY 10
|||||:|||||
Db 6 VNPAGTLRY 15

RESULT 5

US-08-467-023-30
; Sequence 30, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-30

Query Match 50.9%; Score 55; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAGTGLRY 10
|||||
Db 11 VNPAGTGLRY 20

RESULT 6
US-09-142-524D-27
Sequence 27, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akino
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 27
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13
US-09-142-524D-27

Query Match 41.7%; Score 45; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.63;
Matches 8; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 11 GATRSLRWI 20
|||||
Db 1 GATDRPLWI 10

RESULT 7
US-08-467-023-32
Sequence 32, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-32

Query Match 41.7%; Score 45; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.87;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 GATRSLRWI 20
|||||
Db 1 GATDRPLWI 10

RESULT 8
US-09-591-694-15
Sequence 15, Application US/09591694
Patent No. 6638734
GENERAL INFORMATION:
APPLICANT: John C. Reed
APPLICANT: Shu-ichi Matsuzawa
TITLE OF INVENTION: Nucleic Acid Encoding Proteins Involved
TITLE OF INVENTION: in Protein Degradation, Products and Methods Related Thereto
FILE REFERENCE: P-LJ 4220
CURRENT APPLICATION NUMBER: US/09/591,694

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; CURRENT FILING DATE: 2000-06-09
; EARLIER APPLICATION NUMBER: US 09/330,517
; EARLIER FILING DATE: 1999-06-11
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-591-694-15

Query Match          31.5%; Score 34; DB 4; Length 20;
Best Local Similarity 52.9%; Pred. No. 57;
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 4 APGTLRYGATRSRLWI 20
   :||| :|||
Db 3 SPGALRSGSLRCLRI 19

RESULT 9
US-09-649-063-14
; Sequence 14, Application US/09649063
; Patent No. 6600022
; GENERAL INFORMATION:
; APPLICANT: TORIGOE, Kakuji
; USHIO, Shimpei
; KUNIKATA, Toshio
; KURIMOTO, Masashi
; TITLE OF INVENTION: INTERLEUKIN-18 RECEPTOR PROTEINS
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/649,063
; FILING DATE: 29-Aug-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/996,140
; FILING DATE: <Unknown>
; APPLICATION NUMBER: JP 52,526/1997
; FILING DATE: 21-FEB-1997
; APPLICATION NUMBER: JP 163,490/1997
; FILING DATE: 6-JUN-1997
; APPLICATION NUMBER: JP 215,490/1997
; FILING DATE: 28-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: TORIGOE-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal fragment
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-649-063-14

Query Match          29.6%; Score 32; DB 4; Length 18;
Best Local Similarity 52.9%; Pred. No. 57;
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 4 APGTLRYGATRSRLWI 20
   :||| :|||
Db 3 SPGALRSGSLRCLRI 19

RESULT 10
US-07-942-245-132
; Sequence 132, Application US/07942245
; Patent No. 5639641
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Jan T.
; APPLICANT: SEARLE, Stephen M.J.
; APPLICANT: REES, Anthony R.
; APPLICANT: ROGUSKA, Michael A.
; APPLICANT: GUILD, Braydon C.
; TITLE OF INVENTION: SURFACE RESIDUE VENEERING OF RODENT
; NUMBER OF SEQUENCES: 522
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: United States
; ZIP: 20037-3202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: HP 9000/700 Workstation
; OPERATING SYSTEM: UNIX
; SOFTWARE: In house
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/942,245
; FILING DATE: 03-SEP-1992
; CLASSIFICATION: 530
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7860
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-942-245-132

Query Match          28.7%; Score 31; DB 1; Length 16;
Best Local Similarity 50.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 PAPGTLRYGATR 14
   :||| :|||
Db 4 PTPGVIRSTAMR 15

RESULT 11
5171838-14
; Patent No. 5171838
; APPLICANT: CHIBA, YUKINOBU
; TITLE OF INVENTION: LEU3A BINDING PEPTIDES
; NUMBER OF SEQUENCES: 24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/526,921
; FILING DATE: 22-MAY-1990
; SEQ ID NO: 14:
; LENGTH: 16
5171838-14

Query Match          28.7%; Score 31; DB 6; Length 16;
Best Local Similarity 46.7%; Pred. No. 1.4e+02;
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Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 5 PGTLYCATRERSLW 19
Db 1 PSKLNDRADRRSLW 15

RESULT 12

US-08-764-640-167

; Sequence 167, Application US/08764640
; Patent No. 5869451
; Patent No. 5869451 5837683
; GENERAL INFORMATION:
; APPLICANT: Dower, William J.
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Cwirla, Steven E.
; APPLICANT: Gates, Christian
; APPLICANT: Schatz, Peter J.
; APPLICANT: Balasubramanian, Palaniappan
; APPLICANT: Wagstrom, Christopher R.
; APPLICANT: Hendren, Richard W.
; APPLICANT: Deprince, Randolph B.
; APPLICANT: Podduturi, Surekha
; APPLICANT: Yin, Qun
; TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A
; NUMBER OF SEQUENCES: 244
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Glaxo Wellcome
; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/764,640
FILING DATE: 11-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Hrubiec, Robert T.
REGISTRATION NUMBER: 36,392
REFERENCE/DOCKET NUMBER: PK3281
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-248-1000
INFORMATION FOR SEQ ID NO: 167:

SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-764-640-167

Query Match 28.7%; Score 31; DB 2; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

Qy 9 RYGATRERSLWI 20
Db 1 RYGCTRHQ--WL 10

RESULT 13

US-08-973-225-167
; Sequence 167, Application US/08973225A
; Patent No. 6083913
; GENERAL INFORMATION:
; APPLICANT: Dower, William J.

; Barrett, Ronald W.
; Cwirla, Steven E.
; Duffin, David J.
; Gates, Christian
; Haselden, Sherrill S.
; Matheakis, Larry C.
; Schatz, Peter J.
; Wagstrom, Christopher R.
; Wrighton, Nicholas C.
; TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A
; NUMBER OF SEQUENCES: 232
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Glaxo Wellcome
; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/973,225A
FILING DATE: 04-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Hrubiec, Robert T.
REGISTRATION NUMBER: 36,392
REFERENCE/DOCKET NUMBER: PK3065USW
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-248-1000
INFORMATION FOR SEQ ID NO: 167:

SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 167:
US-08-973-225-167

Query Match 28.7%; Score 31; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

Qy 9 RYGATRERSLWI 20
Db 1 RYGCTRHQ--WL 10

RESULT 14

US-09-244-298A-167
; Sequence 167, Application US/09244298A
; Patent No. 6121238
; GENERAL INFORMATION:
; APPLICANT: Dower, William J.
; APPLICANT: Barrett, Ronald W.
; APPLICANT: Cwirla, Steven E.
; APPLICANT: Gates, Christian
; APPLICANT: Schatz, Peter J.
; APPLICANT: Balasubramanian, Palaniappan
; APPLICANT: Wagstrom, Christopher R.
; APPLICANT: Hendren, Richard W.
; APPLICANT: Deprince, Randolph B.
; APPLICANT: Podduturi, Surekha
; APPLICANT: Yin, Qun

; TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A
; NUMBER OF SEQUENCES: 244
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Glaxo Wellcome

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; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/244,298A
; FILING DATE: 11-DEC-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Hrubiec, Robert T.
; REGISTRATION NUMBER: 36,392
; REFERENCE/DOCKET NUMBER: PK3281
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-248-1000
; INFORMATION FOR SEQ ID NO: 167:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-244-298A-167

Query Match      28.7%; Score 31; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

QY      9 RYGATRSLWI 20
Db      1 RYGCTRHQ--WL 10
      ||||| : ||
      ||||| : ||

Search completed: January 26, 2005, 00:05:12
Job time : 16.9 secs

; NAME: Hrubiec, Robert T.
; REGISTRATION NUMBER: 36,392
; REFERENCE/DOCKET NUMBER: PK3281
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-248-1000
; INFORMATION FOR SEQ ID NO: 167:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-516-704-167

Query Match      28.7%; Score 31; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

QY      9 RYGATRSLWI 20
Db      1 RYGCTRHQ--WL 10
      ||||| : ||
      ||||| : ||

Search completed: January 26, 2005, 00:05:12
Job time : 16.9 secs

; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/244,298A
; FILING DATE: 11-DEC-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Hrubiec, Robert T.
; REGISTRATION NUMBER: 36,392
; REFERENCE/DOCKET NUMBER: PK3281
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-248-1000
; INFORMATION FOR SEQ ID NO: 167:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-244-298A-167

Query Match      28.7%; Score 31; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

QY      9 RYGATRSLWI 20
Db      1 RYGCTRHQ--WL 10
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Search completed: January 26, 2005, 00:05:12
Job time : 16.9 secs

; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/516,704
; FILING DATE: 01-Mar-2000
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-9

Perfect score: 101

Sequence: 1 GATRRSLWIIFSKNLNIKL 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	63	62.4	15	14	US-10-354-240-27
2	62	61.4	15	14	US-10-354-240-28
3	48	47.5	20	14	US-10-354-240-11
4	45	44.6	15	14	US-10-354-240-26
5	39	38.6	15	14	US-10-354-240-29
6	38	37.6	20	14	US-10-280-066-259
7	34	33.7	17	15	US-10-609-217-207
8	34	33.7	17	15	US-10-632-388-207
9	34	33.7	17	15	US-10-651-723-207
10	34	33.7	17	15	US-10-645-761-207
11	34	33.7	17	15	US-10-666-696-207
12	34	33.7	17	15	US-10-653-048-207
13	33	32.7	16	15	US-10-436-715-456
					Sequence 27, Appl
					Sequence 28, Appl
					Sequence 11, Appl
					Sequence 26, Appl
					Sequence 29, Appl
					Sequence 25, Appl
					Sequence 20, Appl
					Sequence 207, App
					Sequence 207, App
					Sequence 207, App
					Sequence 207, App
					Sequence 207, App
					Sequence 207, App
					Sequence 456, App

14	32	31.7	20	8	US-08-677-599B-2	Sequence 2, Appli
15	31	30.7	13	15	US-10-469-304-52	Sequence 52, Appl
16	31	30.7	17	13	US-10-032-330-47	Sequence 47, Appl
17	31	30.7	17	17	US-10-882-640-47	Sequence 47, Appl
18	31	30.7	20	8	US-08-677-599B-9	Sequence 9, Appli
19	30	29.7	13	14	US-10-012-542-525	Sequence 525, App
20	30	29.7	13	14	US-10-115-123-525	Sequence 525, App
21	30	29.7	14	14	US-10-199-820-243	Sequence 243, App
22	30	29.7	16	9	US-09-929-924-39	Sequence 39, Appl
23	29	28.7	9	15	US-10-398-104-83	Sequence 83, Appl
24	29	28.7	11	15	US-10-398-104-223	Sequence 223, App
25	29	28.7	13	14	US-10-028-392-26	Sequence 26, Appl
26	29	28.7	13	14	US-10-028-392-48	Sequence 48, Appl
27	29	28.7	13	14	US-10-298-461-26	Sequence 26, Appl
28	29	28.7	14	9	US-09-927-180-12	Sequence 12, Appl
29	29	28.7	16	9	US-09-822-873-4	Sequence 4, Appli
30	29	28.7	18	9	US-09-829-855-239	Sequence 239, App
31	29	28.7	18	14	US-10-084-813-255	Sequence 255, App
32	29	28.7	18	14	US-10-084-813-256	Sequence 256, App
33	29	28.7	18	16	US-10-607-077A-239	Sequence 239, App
34	29	28.7	20	10	US-09-933-767-744	Sequence 744, App
35	29	28.7	20	14	US-10-004-860-744	Sequence 744, App
36	29	28.7	20	14	US-10-023-282-744	Sequence 744, App
37	29	28.7	20	14	US-10-029-386-32710	Sequence 32710, A
38	29	28.7	20	14	US-10-372-735-22	Sequence 22, Appl
39	29	28.7	20	15	US-10-608-541-22	Sequence 22, Appl
40	28	27.7	10	14	US-10-190-082-352	Sequence 352, App
41	28	27.7	10	14	US-10-137-867-310	Sequence 310, App
42	28	27.7	13	9	US-09-884-681-13	Sequence 13, Appl
43	28	27.7	13	14	US-10-293-580-13	Sequence 13, Appl
44	28	27.7	14	17	US-10-813-638-1139	Sequence 1139, Ap
45	28	27.7	15	14	US-10-059-261-308	Sequence 308, App

ALIGNMENTS

RESULT 1

US-10-354-240-27
; Sequence 27, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13
US-10-354-240-27

Query Match 62.4%; Score 63; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.006;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATRRSLWIIFSKN 15

||||:|||||||

Db 1 GATDRPLWIFSGN 15

RESULT 2

US-10-354-240-28
; Sequence 28, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-10-354-240-28

Query Match 61.4%; Score 62; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0086; 2; Indels 0; Gaps 0;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 6 RSLWIFSKNLNKL 20
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Db 1 RPLWIFSGNWNKL 15

RESULT 3

US-10-354-240-11
; Sequence 11, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-11
Query Match 47.5%; Score 48; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.9; 0; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 11 IFSKNLNKL 20

Db 1 IFSKNLNKL 10
| | | | | | | | | | | | | | | | | | | | | |

RESULT 4

US-10-354-240-26
; Sequence 26, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12
US-10-354-240-26

Query Match 44.6%; Score 45; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 4.2; 1; Indels 0; Gaps 0;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 1 GATRRSLWI 10
| | | | | | | | | | | | | | | | | | | | | |
Db 6 GATDRPLWI 15

RESULT 5

US-10-354-240-29
; Sequence 29, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-10-354-240-29

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Query Match      38.6%; Score 39; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 37;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 IFSKNLNKL 20
Db 1 IFSGNWNKL 10

RESULT 6
US-10-280-066-259
; Sequence 259, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING
; FILE REFERENCE: 2598-4009U51
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 259
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Eschericia coli
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: 0700902-Hras-20M-PP-BC-D8
US-10-280-066-259

Query Match      37.6%; Score 38; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 71;
Matches 6; Conservative 1; Mismatches 3; Indels 3; Gaps 0;

QY 1 GATRSRLWI 10
Db 7 GVQRERELW 16

RESULT 7
US-10-609-217-207
; Sequence 207, Application US/10609217
; Publication No. US20040044188A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/609,217
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-609-217-207
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Query Match      33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 EBSLWIF 13
Db 2 ESSLWRIFS 10

RESULT 8
US-10-632-388-207
; Sequence 207, Application US/10632388
; Publication No. US20040053845A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/632,388
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-632-388-207

Query Match      33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 EBSLWIF 13
Db 2 ESSLWRIFS 10

RESULT 9
US-10-651-723-207
; Sequence 207, Application US/10651723
; Publication No. US20040057953A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/651,723
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-651-723-207
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Query Match 33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13
| | | | |
Db 2 ESSLWRIFS 10

RESULT 10

US-10-645-761-207
; Sequence 207, Application US/10645761
; Publication No. US200400712A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/645,761
; PRIOR FILING DATE: 2003-08-18
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-645-761-207

Query Match 33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13
| | | | |
Db 2 ESSLWRIFS 10

RESULT 11

US-10-666-696-207
; Sequence 207, Application US/10666696
; Publication No. US2004007022A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; APPLICANT: GUDAS, JEAN MARIE
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527A
; CURRENT APPLICATION NUMBER: US/10/666,696
; PRIOR FILING DATE: 2003-09-19
; PRIOR APPLICATION NUMBER: US/09/563,286C
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 09/428,082
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1157
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE

US-10-666-696-207

Query Match 33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13
| | | | |
Db 2 ESSLWRIFS 10

RESULT 12

US-10-653-048-207
; Sequence 207, Application US/10653048
; Publication No. US2004008778A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/653,048
; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-653-048-207

Query Match 33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13
| | | | |
Db 2 ESSLWRIFS 10

RESULT 13

US-10-436-715-456
; Sequence 456, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
; TITLE OF INVENTION: AND SPLICE VARIANTS THEREOF
; FILE REFERENCE: D0262 NP
; CURRENT APPLICATION NUMBER: US/10/436,715
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: U.S. 60/380,336
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 471
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 456
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-436-715-456

Query Match 32.7%; Score 33; DB 15; Length 16;
Best Local Similarity 75.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 IIFSKNIN 17

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Db      |||:||||
        7 IIFRNLN 14

RESULT 14
US-08-677-599B-2
; Sequence 2, Application US/08677599B
; Publication No. US20020155117A1
; GENERAL INFORMATION:
; APPLICANT: Sucia-Foca, Nicole
; TITLE OF INVENTION: METHODS FOR DETECTING ORGAN ALLOGRAFT
; TITLE OF INVENTION: REJECTION AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/677,599B
; FILING DATE: 08-JUL-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White Esq., John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 50161-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212/278/0400
; TELEFAX: 212/391/0525
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-677-599B-2

Query Match      31.7%; Score 32; DB 8; Length 20;
Best Local Similarity 66.7%; Pred. No. 6.3e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GATRERSLW 9
        |||:||||
Db      1 GKTRPRFLW 9

RESULT 15
US-10-469-304-52
; Sequence 52, Application US/10469304
; Publication No. US20040091974A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; TITLE OF INVENTION: Anti HLA-DR antibody
; FILE REFERENCE: PH-1646-PCT
; CURRENT APPLICATION NUMBER: US/10/469,304
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: JP2001/317054
; PRIOR FILING DATE: 2001-10-15
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 13
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
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; OTHER INFORMATION: Description of Artificial Sequence:peptide
US-10-469-304-52
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Query Match      30.7%; Score 31; DB 15; Length 13;
Best Local Similarity 66.7%; Pred. No. 6e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY      1 GATRERSLW 9
        |||:||||
Db      1 GDTRPRFLW 9
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Search completed: January 26, 2005, 00:51:37
Job time : 56.6 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 : Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-9

Perfect score: 101

Sequence: 1 GATRSLSWIFSKNLNKL 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5A COMB pep.*
- 2: /cgn2_6/ptodata/1/iaa/5B COMB pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A COMB pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS COMB pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	84	83.2	20	3	US-08-467-023-32
2	63	62.4	15	4	US-09-142-524D-27
3	62	61.4	15	4	US-09-142-524D-28
4	48	47.5	20	4	US-09-142-524D-11
5	45	44.6	15	4	US-09-142-524D-26
6	45	44.6	20	3	US-08-467-023-31
7	39	38.6	15	4	US-09-142-524D-29
8	39	38.6	20	3	US-08-467-023-33
9	34	33.7	12	1	US-08-378-761A-56
10	34	33.7	12	1	US-08-485-286-56
11	34	33.7	12	6	US248606-38
12	34	33.7	17	1	US-08-370-567-11
13	34	33.7	17	1	US-08-438-759-11
14	34	33.7	17	1	US-08-538-911-17
15	34	33.7	17	4	US-09-428-082B-207
16	34	33.7	17	5	PCT-US94-05591-17
17	34	33.7	17	5	PCT-US94-05591-17
18	31	30.7	17	4	US-10-032-330-47
19	31	30.7	20	2	US-08-480-190-42
20	31	30.7	20	2	US-08-488-379-42
21	31	30.7	20	4	US-08-475-399A-42
22	31	30.7	20	4	US-08-077-255A-42
23	31	30.7	20	5	PCT-US93-07545-42
24	30	29.7	13	4	US-09-461-325-525
25	30	29.7	13	4	US-10-012-542-525
26	30	29.7	13	4	US-10-115-123-525
27	30	29.7	16	4	US-09-929-922-39

28	29	28.7	13	4	US-09-291-289-32	Sequence 32, Appl
29	29	28.7	14	1	US-08-281-193-12	Sequence 12, Appl
30	29	28.7	14	1	US-08-422-106-12	Sequence 12, Appl
31	29	28.7	14	2	US-08-735-716-12	Sequence 12, Appl
32	29	28.7	14	2	US-08-934-222-110	Sequence 110, App
33	29	28.7	14	2	US-08-933-402-110	Sequence 110, App
34	29	28.7	14	2	US-09-207-621-110	Sequence 110, App
35	29	28.7	14	2	US-08-532-818-110	Sequence 110, App
36	29	28.7	14	2	US-08-555-568B-12	Sequence 12, Appl
37	29	28.7	14	3	US-09-231-797-110	Sequence 110, App
38	29	28.7	14	3	US-08-934-224-110	Sequence 110, App
39	29	28.7	14	3	US-08-933-843-110	Sequence 110, App
40	29	28.7	14	3	US-08-934-223-110	Sequence 110, App
41	29	28.7	14	3	US-09-413-492-110	Sequence 110, App
42	29	28.7	14	3	US-09-519-223-12	Sequence 12, Appl
43	29	28.7	14	4	US-09-927-180-12	Sequence 12, Appl
44	29	28.7	14	5	PCT-US95-08069-12	Sequence 12, Appl
45	29	28.7	16	1	US-08-009-448-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-08-467-023-32
; Sequence 32, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-32

Query Match 83.2%; Score 84; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 8e-08;
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATRSRLWIIFSKNLIK 20
||||| :||||| :|||||
DB 1 GATDRPLWIIFSGNNIKL 20

RESULT 2

US-09-142-524D-27
; Sequence 27, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 27
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13
US-09-142-524D-27

Query Match 62.4%; Score 63; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.00023;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATRSRLWIIFSKN 15
||||| :||||| :
DB 1 GATDRPLWIIFSGN 15

RESULT 3

US-09-142-524D-28
; Sequence 28, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 28
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12
US-09-142-524D-28

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-09-142-524D-28

Query Match 61.4%; Score 62; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.00035;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 RSLWIIFSKNLIK 20
||||| :||||| :
DB 1 RPLWIIFSGNNIKL 15

RESULT 4

US-09-142-524D-11
; Sequence 11, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 11
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-11

Query Match 47.5%; Score 48; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IFSKNLIK 20
||||| :||||| :
DB 1 IFSKNLIK 10

RESULT 5

US-09-142-524D-26
; Sequence 26, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 26
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12
US-09-142-524D-26

Query Match 44.6%; Score 45; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.29; 1; Indels 0;
Matches 8; Conservative 1; Mismatches 0; Gaps 0;

QY 1 GATRRSLMI 10
|||||
Db 6 GATDRPLMI 15

RESULT 6
US-08-467-023-31
; Sequence 31, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-31

Query Match 44.6%; Score 45; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.41;
Matches 8; Conservative 1; Mismatches 0; Gaps 0;

QY 1 GATRRSLMI 10
|||||
Db 11 GATDRPLMI 20

RESULT 7
US-09-142-524D-29
; Sequence 29, Application US/09142524D

; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-09-142-524D-29

Query Match 38.6%; Score 39; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.2;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 IFSKNLNKL 20
|||||
Db 1 IFSGNNNKL 10

RESULT 8
US-08-467-023-33
; Sequence 33, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-467-023-33

Query Match 38.6%; Score 39; DB 3; Length 20;

Best Local Similarity 80.0%; Pred. No. 4.4;

Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 IFSKNLNKL 20

DB 1 IFSGNVNLK 10

RESULT 9

US-08-378-761A-56

Sequence 56, Application US/08378761A

Patent No. 5635384

GENERAL INFORMATION:

APPLICANT: WALSH, TERENCE A

APPLICANT: HEY, TIMOTHY D

APPLICANT: MORGAN, ALICE ER

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

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TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

Best Local Similarity 60.0%; Pred. No. 18;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 14
| | | | |
Db 2 ENSLWLALSK 11

RESULT 12
US-08-370-567-11
; Sequence 11, Application US/08370567
; Patent No. 5656726
; GENERAL INFORMATION:
; APPLICANT: Rosenberg, Steven
; APPLICANT: Doyle, Michael
; APPLICANT: Goodson, Robert
; TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
; TITLE OF INVENTION: Activity
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,567
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,567
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0941.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2706
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; US-08-370-567-11

Query Match 33.7%; Score 34; DB 1; Length 17;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 13
| | | | |
Db 2 ESSLWRIFS 10

RESULT 13
US-08-438-759-11
; Sequence 11, Application US/08438759
; Patent No. 5679782
; GENERAL INFORMATION:
; APPLICANT: Rosenberg, Steven
; APPLICANT: Doyle, Michael
; APPLICANT: Goodson, Robert
; TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
; TITLE OF INVENTION: Activity

Query Match 33.7%; Score 34; DB 1; Length 17;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 13
| | | | |
Db 2 ESSLWRIFS 10

RESULT 14
US-08-538-911-17
; Sequence 17, Application US/08538911
; Patent No. 5750344
; GENERAL INFORMATION:
; APPLICANT: Doyle, Michael
; APPLICANT: Winter, Jill
; TITLE OF INVENTION: Method For Selection Of Biologically
; TITLE OF INVENTION: Active Peptide Sequences
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/538,911
; FILING DATE:
; CLASSIFICATION: 435

NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/438,759
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/370,567
FILING DATE:
APPLICATION NUMBER: US/08/061,514
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.
REGISTRATION NUMBER: 31,259
REFERENCE/DOCKET NUMBER: 0941.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-08-438-759-11

Query Match 33.7%; Score 34; DB 1; Length 17;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 13
| | | | |
Db 2 ESSLWRIFS 10

RESULT 14
US-08-538-911-17
; Sequence 17, Application US/08538911
; Patent No. 5750344
; GENERAL INFORMATION:
; APPLICANT: Doyle, Michael
; APPLICANT: Winter, Jill
; TITLE OF INVENTION: Method For Selection Of Biologically
; TITLE OF INVENTION: Active Peptide Sequences
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/538,911
; FILING DATE:
; CLASSIFICATION: 435

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/069,352
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Green, Grant D.
;; REGISTRATION NUMBER: 31,259
;; REFERENCE/DOCKET NUMBER: 0407.001
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 510-601-2706
;; TELEFAX: 510-655-3542
;; INFORMATION FOR SEQ ID NO: 17:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 17 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHETICAL: NO
US-08-538-911-17

Query Match 33.7%; Score 34; DB 1; Length 17;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 ERSLWIIFS 13
Db 2 ESSLWRIFS 10

RESULT 15 .
US-09-428-082B-207
; Sequence 207, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-09-428-082B-207

Query Match 33.7%; Score 34; DB 4; Length 17;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 ERSLWIIFS 13
Db 2 ESSLWRIFS 10

Search completed: January 26, 2005, 00:05:13
Job time : 17.9 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-10

Perfect score: 102

Sequence: 1 IFSKNLNKLNMPLYIAGNK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
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7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	102	100.0	20	14	US-10-354-240-11
2	60	58.8	15	14	US-10-354-240-29
3	59	57.8	15	14	US-10-354-240-30
4	39	38.2	15	14	US-10-354-240-28
5	38	37.3	15	14	US-10-354-240-31
6	37	36.3	19	14	US-10-402-954-42
7	35	34.3	13	10	US-09-809-391-714
8	35	34.3	13	10	US-09-882-171-714
9	35	34.3	13	14	US-10-164-861-714
10	31	30.4	11	17	US-10-777-893-150
11	31	30.4	18	9	US-09-071-838-244
12	31	30.4	18	14	US-10-213-512-244
13	30	29.4	13	14	US-10-012-542-525
					Sequence 11, Appl
					Sequence 29, Appl
					Sequence 30, Appl
					Sequence 31, Appl
					Sequence 32, Appl
					Sequence 33, Appl
					Sequence 34, Appl
					Sequence 35, Appl
					Sequence 36, Appl
					Sequence 37, Appl
					Sequence 38, Appl
					Sequence 39, Appl
					Sequence 40, Appl
					Sequence 41, Appl
					Sequence 42, Appl
					Sequence 43, Appl
					Sequence 44, Appl
					Sequence 45, Appl

14	30	29.4	13	14	US-10-115-123-525	Sequence 525, App
15	30	29.4	14	14	US-10-206-699-113	Sequence 113, App
16	30	29.4	14	14	US-10-174-613-44	Sequence 44, Appl
17	30	29.4	17	9	US-09-741-106-12	Sequence 12, Appl
18	30	29.4	17	14	US-10-405-339-22	Sequence 22, Appl
19	30	29.4	20	14	US-10-406-618-3	Sequence 3, Appl
20	29	28.4	10	9	US-09-767-460-65	Sequence 65, Appl
21	29	28.4	12	14	US-10-185-050-199	Sequence 199, App
22	29	28.4	14	9	US-09-927-180-12	Sequence 12, Appl
23	29	28.4	15	15	US-10-394-980-101	Sequence 101, App
24	29	28.4	16	15	US-10-436-715-456	Sequence 456, App
25	29	28.4	18	14	US-10-181-654-21	Sequence 21, Appl
26	29	28.4	18	14	US-10-181-654-35	Sequence 35, Appl
27	29	28.4	20	9	US-09-813-333-72	Sequence 72, Appl
28	29	28.4	20	10	US-09-362-179-1	Sequence 1, Appl
29	29	28.4	20	13	US-10-044-703-72	Sequence 72, Appl
30	29	28.4	20	15	US-10-239-103-72	Sequence 72, Appl
31	28	27.5	9	9	US-09-834-765-335	Sequence 335, App
32	28	27.5	10	9	US-09-834-765-292	Sequence 292, App
33	28	27.5	10	9	US-09-834-765-367	Sequence 367, App
34	28	27.5	10	16	US-10-416-249-660	Sequence 660, App
35	28	27.5	14	14	US-10-164-030-10	Sequence 10, Appl
36	28	27.5	14	14	US-10-460-125-10	Sequence 10, Appl
37	28	27.5	14	14	US-10-460-124-10	Sequence 10, Appl
38	28	27.5	14	17	US-10-639-067-191	Sequence 191, App
39	28	27.5	17	14	US-10-059-261-67	Sequence 67, Appl
40	28	27.5	17	14	US-10-059-261-175	Sequence 175, App
41	28	27.5	17	17	US-10-627-649-67	Sequence 67, Appl
42	28	27.5	17	17	US-10-627-649-175	Sequence 175, App
43	28	27.5	18	16	US-10-475-647A-19	Sequence 19, Appl
44	28	27.5	20	14	US-10-225-567A-2204	Sequence 2204, App
45	27	26.5	7	14	US-10-052-578-293	Sequence 293, App

ALIGNMENTS

RESULT 1

US-10-354-240-11
; Sequence 11, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-11

Query Match 100.0%; Score 102; DB 14; Length 20;

Best Local Similarity 100.0%; Pred No. 5.2e-10;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNKLNMPLYIAGNK 20

Db 1 IFSKNLNKLNMPLYIAGNK 20

RESULT 2

US-10-354-240-29
; Sequence 29, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-10-354-240-29
Query Match 58.8%; Score 60; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0043;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 1 IFSKNLNKLNMPY 15
||| :||| :|||
DB 1 IFSGNMNIKLMPY 15
RESULT 3
US-10-354-240-30
; Sequence 30, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 16
US-10-354-240-30
Query Match 57.8%; Score 59; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0063;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 6 LNIKLNMPYIAGNK 20

DB 1 MNIXKMPMYIAGYK 15
:|||| :||| :||| :||| :|||
RESULT 4
US-10-354-240-28
; Sequence 28, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-10-354-240-28
Query Match 38.2%; Score 39; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 14;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 IFSKNLNK 10
||| :||| :||| :||| :|||
DB 6 IFSGNMNIKL 15
RESULT 5
US-10-354-240-31
; Sequence 31, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 17
US-10-354-240-31


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Query Match      37.3%; Score 38; DB 14; Length 15;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      12 MPLYIAGNK 20
      ||:|||||
Db       2 MPWYIAGYK 10

RESULT 6
US-10-402-954-42
; Sequence 42, Application US/10402954
; Publication No. US20030175243A1
; GENERAL INFORMATION:
; APPLICANT: TRANSGENE S.A.
; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses
; FILE REFERENCE: D16813
; CURRENT APPLICATION NUMBER: US/10/402,954
; CURRENT FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: US/09/402,401C
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: WO 98 44121
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 42
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Ad3 fiber Mastadenovirus
US-10-402-954-42

Query Match      36.3%; Score 37; DB 14; Length 19;
Best Local Similarity 50.0%; Pred. No. 41;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      4 KNLNKLNMPLY 15
      ||| |:|: ||
Db       6 KNKNVSINVELY 17

RESULT 7
US-09-809-391-714
; Sequence 714, Application US/09809391
; Publication No. US20030049618A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P2
; CURRENT APPLICATION NUMBER: US/09/809,391
; CURRENT FILING DATE: 2001-03-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 761
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 714
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-809-391-714

Query Match      34.3%; Score 35; DB 10; Length 13;
Best Local Similarity 60.0%; Pred. No. 57;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      11 NMPLYIAGNK 20
      |:|: |||
Db       1 NVPILILGNK 10

RESULT 8
US-09-882-171-714
; Sequence 714, Application US/09882171
; Publication No. US20030175858A1
; GENERAL INFORMATION:

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; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P2
; CURRENT APPLICATION NUMBER: US/09/882,171
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 09/809,391
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 09/149,476
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: PCT/US98/04493
; PRIOR FILING DATE: 1998-03-06
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,334
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,336
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/047,600
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,615
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,597
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,502
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,633
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,583
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,617
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,618
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,503
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,592
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,581
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,584
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,500
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,587
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,492
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,598
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,613
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,582
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,596
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,612
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,632
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,568
; PRIOR FILING DATE: 1997-04-11

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; PRIOR APPLICATION NUMBER: PCT/US98/04493
; PRIOR FILING DATE: 1998-03-06
; NUMBER OF SEQ ID NOS: 757
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 714
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-164-861-714

Query Match 34.3%; Score 35; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 57;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 NMPLYIAGNK 20
|:|:|
DB 1 NVPILILGNK 10

RESULT 10
US-10-777-893-150
; Sequence 150, Application US/10777893
; Publication No. US20050003450A1
; GENERAL INFORMATION:
; APPLICANT: Cell Signaling Technology, Inc.
; APPLICANT: RUSH, John
; APPLICANT: ZHANG, Hui
; APPLICANT: ZHA, Xiangming
; APPLICANT: COMB, Michael J.
; APPLICANT: TAN, Yi
; TITLE OF INVENTION: IMMUNOAFFINITY ISOLATION OF MODIFIED PEPTIDES FROM COMPLEX MIXTURE
; FILE REFERENCE: CST-201 CIP
; CURRENT APPLICATION NUMBER: US/10/777,893
; CURRENT FILING DATE: 2004-02-12
; PRIOR APPLICATION NUMBER: US 09/148,712
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: US 10/175,486
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US 09/535,364
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/299,893
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/337,012
; PRIOR FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 150
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (2)-(2)
; OTHER INFORMATION: PHOSPHORYLATION; tyrosine at position 2 is phosphorylated
US-10-777-893-150

Query Match 30.4%; Score 31; DB 17; Length 11;
Best Local Similarity 71.4%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 10 LNMPLYI 16
|:|:|
DB 4 LNMPLYV 10

RESULT 11
US-09-071-838-244
; Sequence 244, Application US/09071838
; Patent No. US20020152501A1
; GENERAL INFORMATION:
; APPLICANT: Fischer, Robert L.
; APPLICANT: Ohad, Nir
; APPLICANT: Kiyosue, Tomohiro

; APPLICANT: Yadegari, Ramin
; APPLICANT: Margossian, Linda
; APPLICANT: Harada, John
; APPLICANT: Goldberg, Robert B.
; TITLE OF INVENTION: Nucleic Acids That Control Seed and
; TITLE OF INVENTION: Fruit Development in Plants
; NUMBER OF SEQUENCES: 324
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/071,838
; APPLICATION NUMBER: US/09/071,838
; FILING DATE: 01-MAY-1998
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-086100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 244:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-071-838-244

Query Match 30.4%; Score 31; DB 9; Length 18;
Best Local Similarity 35.7%; Pred. No. 3.9e+02;
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 7 NLKNMPLYIAGNK 20
|:|:|:|
DB 1 NLKNHLPYIYLNR 14

RESULT 12
US-10-213-512-244
; Sequence 244, Application US/10213512
; Publication No. US20030110536A1
; GENERAL INFORMATION:
; APPLICANT: Fischer, Robert L.
; APPLICANT: Ohad, Nir
; APPLICANT: Kiyosue, Tomohiro
; APPLICANT: Yadegari, Ramin
; APPLICANT: Margossian, Linda
; APPLICANT: Harada, John
; APPLICANT: Goldberg, Robert B.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Combinations of Nucleic Acids That Control Seed and
; TITLE OF INVENTION: Fruit Development in Plants
; FILE REFERENCE: 023070-086110US
; CURRENT APPLICATION NUMBER: US/10/213,512
; CURRENT FILING DATE: 2002-08-06
; PRIOR APPLICATION NUMBER: US/09/177,206
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: US 09/071,838
; PRIOR FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 244
; LENGTH: 18

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; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-10-213-512-244

Query Match      30.4%; Score 31; DB 14; Length 18;
Best Local Similarity 35.7%; Pred. No. 3.9e+02;
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY      7 NIKLNPXYIAGNK 20
        |:|:|:|:|:|
Db      1 NLKNHLPYYLINR 14

RESULT 13
US-10-012-542-525
; Sequence 525, Application US/10012542
; Publication No. US20030044851A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-525

Query Match      29.4%; Score 30; DB 14; Length 13;
Best Local Similarity 55.6%; Pred. No. 4e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 IFSKNLNK 9
        |:|:|:|:|
Db      3 IFAXHLSVK 11

RESULT 14
US-10-115-123-525
; Sequence 525, Application US/10115123
; Publication No. US20030065151A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029G30AP1D2
; CURRENT APPLICATION NUMBER: US/10/115,123
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: PCT/US99/13418
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: 1998-06-16
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-525

Query Match      29.4%; Score 30; DB 14; Length 13;
Best Local Similarity 55.6%; Pred. No. 4e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 IFSKNLNK 9
        |:|:|:|:|
Db      3 IFAXHLSVK 11

RESULT 15
US-10-206-699-113
; Sequence 113, Application US/10206699
; Publication No. US20030100510A1
; GENERAL INFORMATION:
; APPLICANT: Sundaramoorthy, M.
; APPLICANT: Hudson, B.
; TITLE OF INVENTION: Crystallized structure of Type IV Collagen NC1 Domain Hexamer
; FILE REFERENCE: MBHB 01-1017
; CURRENT APPLICATION NUMBER: US/10/206,699
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: US 60/308,523
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/351,289
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US 60/366,854
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 60/385,362
; PRIOR FILING DATE: 2002-06-03
; NUMBER OF SEQ ID NOS: 307
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 113
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-206-699-113

Query Match      29.4%; Score 30; DB 14; Length 14;
Best Local Similarity 71.4%; Pred. No. 4.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      14 LXIAGNK 20
        |:|:|:|:|
Db      3 LIVQGNK 9

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Job time : 56.6 secs
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-10

Perfect score: 102

Sequence: 1 IFSKNLNINIKLNMPLYIAGNK 20

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Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

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Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	102	100.0	20	4	US-09-142-524D-11
2	77	75.5	20	3	US-08-467-023-33
3	60	58.8	15	4	US-09-142-524D-29
4	59	57.8	15	4	US-09-142-524D-30
5	39	38.2	15	4	US-09-142-524D-28
6	39	38.2	20	3	US-08-467-023-32
7	38	37.3	15	4	US-09-142-524D-31
8	38	37.3	20	3	US-08-467-023-34
9	37	36.3	19	4	US-09-402-401C-42
10	35	34.3	13	4	US-09-149-476-714
11	31	30.4	18	3	US-09-177-249-244
12	30	29.4	13	4	US-09-461-325-525
13	30	29.4	13	4	US-10-012-542-525
14	30	29.4	13	4	US-10-115-123-525
15	30	29.4	17	1	US-08-437-841-12
16	30	29.4	17	1	US-08-286-521-12
17	30	29.4	17	1	US-08-436-175-12
18	30	29.4	17	2	US-08-435-149-8
19	30	29.4	17	3	US-08-943-682-12
20	30	29.4	17	4	US-09-741-106-12
21	30	29.4	17	5	PCT-US95-09464-12
22	29	28.4	10	4	US-09-490-702B-65
23	29	28.4	14	1	US-08-281-193-12
24	29	28.4	14	1	US-08-422-106-12
25	29	28.4	14	2	US-08-735-716-12
26	29	28.4	14	2	US-08-555-568B-12
27	29	28.4	14	3	US-09-519-223-12

28	29	28.4	14	4	US-09-927-180-12	Sequence 12, Appl
29	29	28.4	14	5	PCT-US95-08069-12	Sequence 12, Appl
30	29	28.4	16	2	US-08-454-236-11	Sequence 11, Appl
31	29	28.4	20	2	US-08-419-061A-1	Sequence 1, Appl
32	29	28.4	20	2	US-08-485-647A-1	Sequence 1, Appl
33	29	28.4	20	3	US-08-793-331-11	Sequence 11, Appl
34	27	26.5	9	2	US-08-564-972-77	Sequence 77, Appl
35	27	26.5	9	4	US-09-239-043D-2483	Sequence 2483, Ap
36	27	26.5	10	3	US-09-177-249-131	Sequence 131, Appl
37	27	26.5	20	2	US-08-564-972-43	Sequence 43, Appl
38	27	26.5	20	2	US-08-564-972-47	Sequence 47, Appl
39	26	25.5	15	2	US-08-726-464B-50	Sequence 50, Appl
40	26	25.5	18	3	US-09-247-527-6	Sequence 6, Appl
41	26	25.5	19	1	US-08-399-696-81	Sequence 81, Appl
42	25.5	25.0	12	3	US-09-126-420A-12	Sequence 12, Appl
43	25.5	25.0	18	2	US-08-934-915-124	Sequence 124, App
44	25	24.5	11	2	US-09-090-567-4	Sequence 4, Appl
45	25	24.5	12	4	US-09-462-118-23	Sequence 23, Appl

ALIGNMENTS

RESULT 1
US-09-142-524D-11
; Sequence 11, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-11

Query Match 100.0%; Score 102; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.3e-11; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 IFSKNLNINIKLNMPLYIAGNK 20
|||||
Db 1 IFSKNLNINIKLNMPLYIAGNK 20

RESULT 2
US-08-467-023-33
; Sequence 33, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
;; STREET: 610 Lincoln St
;; CITY: Waltham
;; STATE: MA
;; COUNTRY: USA
;; ZIP: 02154
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/467,023
;; FILING DATE: June 6, 1995
;; CLASSIFICATION: 424
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/350,225
;; FILING DATE: December 6, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Jane E. Remillard
;; REGISTRATION NUMBER: 38,872
;; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 227-7400
;; TELEFAX: (617) 227-5941
;; INFORMATION FOR SEQ ID NO: 33:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: internal
;; US-08-467-023-33

Query Match 75.5%; Score 77; DB 3; Length 20;
Best Local Similarity 75.0%; Pred. No. 1.4e-06;
Matches 15; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 IFSKNLNKLNMPLYIAGNK 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 IFSGNMNIKLKMPMYIAGYK 20

RESULT 3
US-09-142-524D-29
; Sequence 29, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-09-142-524D-29

Query Match 58.8%; Score 60; DB 4; Length 15;

Best Local Similarity 73.3%; Pred. No. 0.00082;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 1 IFSKNLNKLNMPLY 15
| | | | | | | | | | | | | | | | | | | | | |
Db 1 IFSGNMNIKLKMPMY 15
| | | | | | | | | | | | | | | | | | | | | |
RESULT 4
US-09-142-524D-30
; Sequence 30, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 16
US-09-142-524D-30

Query Match 57.8%; Score 59; DB 4; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0012;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 LNLIKLNMPLYIAGNK 20
: | | | | | | | | | | | | | | | | | | | | | |
Db 1 MNIKLKMPMYIAGYK 15

RESULT 5
US-09-142-524D-28
; Sequence 28, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-09-142-524D-28

Query Match 38.2%; Score 39; DB 4; Length 15;

Best Local Similarity 80.0%; Pred. No. 3.2; 1; Indels 0; Gaps 0;

Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IFSKNLNKL 10

Db 6 IFSGNMNL 15

RESULT 6

US-08-467-023-32

; Sequence 32, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.;

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,023

; FILING DATE: June 6, 1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/350,225

; FILING DATE: December 6, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Jane E. Remillard

; REGISTRATION NUMBER: 38,872

; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 32:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 20 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

US-08-467-023-32

Query Match

38.2%; Score 39; DB 3; Length 20;

Best Local Similarity 80.0%; Pred. No. 4.5;

Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IFSKNLNKL 10

Db 11 IFSGNMNL 20

RESULT 7

US-09-142-524D-31

; Sequence 31, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 31

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryl1 peptide, Figure 1, Row 17

US-09-142-524D-31

Query Match 37.3%; Score 38; DB 4; Length 15;

Best Local Similarity 77.8%; Pred. No. 4.8;

Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 12 MPLYIAGNK 20

Db 2 MPWYIAGYK 10

RESULT 8

US-08-467-023-34

; Sequence 34, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.;

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,023

; FILING DATE: June 6, 1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/350,225

; FILING DATE: December 6, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Jane E. Remillard

; REGISTRATION NUMBER: 38,872

; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 34:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 20 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; US-08-467-023-34

Query Match 37.3%; Score 38; DB 3; Length 20;

Best Local Similarity 77.8%; Pred. No. 6.7;

Matches 7; Conservative 1; Mismatches 0; Gaps 0;

QY 12 MPYIAGNK 20

DB 2 MPWYIAGYK 10

RESULT 9

US-09-402-401C-42

; Sequence 42, Application US/09402401C

; Patent No. 6569677

; GENERAL INFORMATION:

; APPLICANT: TRANSGENE S.A.

; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses

; FILE REFERENCE: D16813

; CURRENT APPLICATION NUMBER: US/09/402.401C

; CURRENT FILING DATE: 1999-10-04

; PRIOR APPLICATION NUMBER: WO 98 44121

; PRIOR FILING DATE: 1998-04-02

; NUMBER OF SEQ ID NOS: 46

; SOFTWARE: PatentIn Ver. 2.2

; SEQ ID NO 42

; LENGTH: 19

; TYPE: PRT

; ORGANISM: Ad3 fiber Mastadenovirus

; US-09-402-401C-42

Query Match 36.3%; Score 37; DB 4; Length 19;

Best Local Similarity 50.0%; Pred. No. 9.4;

Matches 6; Conservative 3; Mismatches 0; Gaps 0;

QY 4 KNLNKLNMPY 15

DB 6 KKNVNSINVLY 17

RESULT 10

US-09-149-476-714

; Sequence 714, Application US/09149476

; Patent No. 6420526

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: 186 Human Secreted proteins

; FILE REFERENCE: P2002P1

; CURRENT APPLICATION NUMBER: US/09/149,476

; CURRENT FILING DATE: 1998-09-08

; EARLIER APPLICATION NUMBER: PCT/US98/04493

; EARLIER FILING DATE: 1998-03-06

; EARLIER APPLICATION NUMBER: 60/040,162

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,333

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/038,621

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,626

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,334

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,336

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,336

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,163

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/047,600

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,615

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,597

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,502

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,633

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,583

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,617

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,618

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,503

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,592

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,581

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,584

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,500

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,587

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,492

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,598

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,613

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,582

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,596

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,612

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,632

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,601

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/043,580

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,568

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,314

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,569

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,311

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,671

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,674

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,669

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,312

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,313

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,672

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,315

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/048,974

EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,879
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,588
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11

EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 34.3%; Score 35; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 13;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 NMPLYIAGNK 20
|.:|:|
DB 1 NVPILILGNK 10

RESULT 11
US-09-177-249-244
Sequence 244, Application US/09177249
Patent No. 6229064
GENERAL INFORMATION:
APPLICANT: Fischer, Robert L.
APPLICANT: Chad, Nir
APPLICANT: Kiyosue, Tomohiro
APPLICANT: Yadegari, Ramin
APPLICANT: Margossian, Linda
APPLICANT: Harada, John
APPLICANT: Goldberg, Robert B.
TITLE OF INVENTION: Nucleic Acids That Control Seed and Fruit
TITLE OF INVENTION: Development in Plants
FILE REFERENCE: 023070-086120US
CURRENT APPLICATION NUMBER: US/09/177,249
CURRENT FILING DATE: 1998-10-22
EARLIER APPLICATION NUMBER: US 09/071,838
EARLIER FILING DATE: 1998-05-01
NUMBER OF SEQ ID NOS: 324
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 244
LENGTH: 18
TYPE: PRT
ORGANISM: Arabidopsis sp.
US-09-177-249-244

Query Match 30.4%; Score 31; DB 3; Length 18;

```
Best Local Similarity 35.7%; Pred. No. 94;
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 7 NIKLNMPLYIAGNK 20
Db 1 NLKNHLPYIYLNR 14

RESULT 12
US-09-461-325-525
; Sequence 525, Application US/09461325A
; Patent No. 6475753
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029P1
; CURRENT APPLICATION NUMBER: US/09/461,325A
; CURRENT FILING DATE: 1999-12-14
; EARLIER APPLICATION NUMBER: PCT/US99/13418
; EARLIER FILING DATE: 1999-06-15
; EARLIER APPLICATION NUMBER: 60/089,507
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,508
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,509
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,510
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/090,112
; EARLIER FILING DATE: 1998-06-22
; EARLIER APPLICATION NUMBER: 60/090,113
; EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-461-325-525

Query Match 29.4%; Score 30; DB 4; Length 13;
Best Local Similarity 55.6%; Pred. No. 95;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9
Db 3 IFAKHLSVK 11

RESULT 13
US-10-012-542-525
; Sequence 525, Application US/10012542
; Patent No. 8627741
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
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; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
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; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-525

Query Match 29.4%; Score 30; DB 4; Length 13;
Best Local Similarity 55.6%; Pred. No. 95;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9
Db 3 IFAKHLSVK 11

RESULT 14
US-10-115-123-525
; Sequence 525, Application US/10115123
; Patent No. 6774216
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029G30AF1D2
; CURRENT APPLICATION NUMBER: US/10/115,123
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: PCT/US99/13418
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-115-123-525

Query Match 29.4%; Score 30; DB 4; Length 13;
Best Local Similarity 55.6%; Pred. No. 95;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9
Db 3 IFAKHLSVK 11

RESULT 15
US-08-437-841-12
; Sequence 12, Application US/08437841
; Patent No. 5563123
; GENERAL INFORMATION:
; APPLICANT: Innis, Michael
; APPLICANT: Creasey, Abba
; TITLE OF INVENTION: Chimeric Proteins
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton St.
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
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ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,841
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/286,521
FILING DATE: 05-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Savereide, Paul B.
REGISTRATION NUMBER: 36,914
REFERENCE/DOCKET NUMBER: 0990.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2585
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-437-841-12

Query Match 29.4%; Score 30; DB 1; Length 17;
Best Local Similarity 58.3%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 9 KLNMPLYIAGNK 20
Db 2 KLCRLRYKANK 13

Search completed: January 26, 2005, 00:05:14
Job time : 17.9 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-12

Perfect score: 112

Sequence: 1 TIDGRGAEVHNGGPGCLFM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
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16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	70	62.5	15	14 US-10-354-240-34	Sequence 34, Appl
2	68	60.7	15	14 US-10-354-240-33	Sequence 33, Appl
3	52	46.4	15	14 US-10-354-240-35	Sequence 35, Appl
4	40	35.7	15	14 US-10-354-240-32	Sequence 32, Appl
5	40	35.7	20	9 US-09-876-204-5	Sequence 5, Appl
6	37	33.0	16	14 US-10-062-548-119	Sequence 119, App
7	37	33.0	18	10 US-09-764-163-2	Sequence 2, Appl
8	37	33.0	18	15 US-10-668-778-9	Sequence 9, Appl
9	36	32.1	20	9 US-09-876-204-4	Sequence 4, Appl
10	36	32.1	20	14 US-10-280-066-467	Sequence 467, App
11	33	29.5	13	10 US-09-852-910-113	Sequence 113, App
12	33	29.5	13	14 US-10-373-540-17	Sequence 17, Appl
13	33	29.5	13	15 US-10-411-336A-113	Sequence 113, App

14	33	29.5	15	17	US-10-732-345-20	Sequence 20, Appl
15	33	29.5	16	9	US-09-908-322-32	Sequence 32, Appl
16	33	29.5	16	10	US-09-783-931-32	Sequence 32, Appl
17	33	29.5	20	15	US-10-432-465-16	Sequence 16, Appl
18	33	29.5	20	17	US-10-890-526-41	Sequence 41, Appl
19	32	28.6	10	15	US-09-572-404B-852	Sequence 852, App
20	32	28.6	12	15	US-10-362-527-39	Sequence 39, Appl
21	32	28.6	16	10	US-09-747-287-103	Sequence 103, App
22	32	28.6	16	11	US-09-874-350A-70	Sequence 70, Appl
23	31	27.7	9	14	US-10-213-742-4	Sequence 4, Appl
24	31	27.7	11	15	US-10-356-257-203	Sequence 203, App
25	31	27.7	13	14	US-10-152-158-2	Sequence 2, Appl
26	31	27.7	17	17	US-10-473-134-16	Sequence 16, Appl
27	31	27.7	18	17	US-10-473-134-1	Sequence 1, Appl
28	31	27.7	18	17	US-10-473-134-11	Sequence 11, Appl
29	30	26.8	9	15	US-10-466-205-13	Sequence 13, Appl
30	30	26.8	13	15	US-10-469-837-60	Sequence 60, Appl
31	30	26.8	13	15	US-10-469-837-61	Sequence 61, Appl
32	30	26.8	15	10	US-09-894-594-37	Sequence 37, Appl
33	30	26.8	15	10	US-09-894-594-54	Sequence 54, Appl
34	30	26.8	15	14	US-10-082-830-160	Sequence 160, App
35	30	26.8	16	15	US-10-449-829A-15	Sequence 15, Appl
36	30	26.8	18	14	US-10-106-698-7659	Sequence 7659, Ap
37	30	26.8	19	14	US-10-225-567A-1306	Sequence 1306, Ap
38	30	26.8	19	14	US-10-029-386-34000	Sequence 34000, A
39	30	26.8	20	14	US-10-029-386-28053	Sequence 28053, A
40	30	26.8	20	14	US-10-283-017-2043	Sequence 2043, App
41	29	25.9	6	17	US-10-719-385-26	Sequence 26, Appl
42	29	25.9	7	15	US-10-297-337-13	Sequence 13, Appl
43	29	25.9	9	9	US-09-791-378-59	Sequence 59, Appl
44	29	25.9	9	9	US-09-826-290-85	Sequence 85, Appl
45	29	25.9	9	10	US-09-791-393-91	Sequence 91, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-34
; Sequence 34, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
US-10-354-240-34

Query Match 62.5%; Score 70; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0019;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 6 GAEVHNGGPGCLFM 20

|||||

Db 1 GAQVYIGNGGPCVFI 15

RESULT 2

US-10-354-240-33
; Sequence 33, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Kume, Toshio
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 33
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 19
US-10-354-240-33

Query Match 60.7%; Score 68; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0037;
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 TIDGRGAEVHIGNGG 15

Db 1 TFDGRGAQVYIGNGG 15

RESULT 3

US-10-354-240-35
; Sequence 35, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 35
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21
US-10-354-240-35

Query Match 46.4%; Score 52; DB 14; Length 15;

Best Local Similarity 80.0%; Pred. No. 0.88;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 IGNGGPCLEFM 20

Db 1 IGNGGPCVFI 10

RESULT 4

US-10-354-240-32
; Sequence 32, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18
US-10-354-240-32

Query Match 35.7%; Score 40; DB 14; Length 15;
Best Local Similarity 70.0%; Pred. No. 53;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 TIDGRGAEVH 10

Db 6 TFDGRGAQVY 15

RESULT 5

US-09-876-204-5
; Sequence 5, Application US/09876204
; Patent No. US20020052316A1
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; TITLE OF INVENTION: REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/876,204
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/166,028
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-876-204-5

Query Match 35.7%; Score 40; DB 9; Length 20;
Best Local Similarity 53.3%; Pred. No. 71;
Matches 8; Conservative 2; Mismatches 3; Indels 1;

QY 2 IDGRGAEVHIGNGGP 16

Db 1 MDGSGEQ--LGSGBP 13

RESULT 10
US-10-280-066-467
; Sequence 467, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING
; FILE REFERENCE: 2598-4009U51
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 467
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Eschericia coli
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: FGFR1b-20R-B1
US-10-280-066-467

Query Match 32.1%; Score 36; DB 14; Length 20;
Best Local Similarity 46.7%; Pred. No. 2.8e+02;
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 5 RGAEVHIGNGPCLF 19
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Db 1 RGCVLEALSGGCLF 15

RESULT 11
US-09-852-910-113
; Sequence 113, Application US/09852910
; Publication No. US20030096297A1
; GENERAL INFORMATION:
; APPLICANT: Hamm, Heidi
; APPLICANT: Gilchrist, Annette
; TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor S
; FILE REFERENCE: 2661-101
; CURRENT APPLICATION NUMBER: US/09/852,910
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/275,472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 113
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(13)
; OTHER INFORMATION: G alpha i R minigene peptide
US-09-852-910-113

Query Match 29.5%; Score 33; DB 10; Length 13;
Best Local Similarity 66.7%; Pred. No. 5e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IGGGPGCLF 19
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Db 1 MGNIGIKCLF 9

RESULT 12

US-10-373-540-17
; Sequence 17, Application US/10373540
; Publication No. US20030162258A1
; GENERAL INFORMATION:
; APPLICANT: HAMM, Heidi
; APPLICANT: GILCHRIST, Annette
; TITLE OF INVENTION: INHIBITORS OF G PROTEIN-MEDIATED SIGNALING, METHODS OF MAKING THEN
; FILE REFERENCE: 0290-29 (NU 99037)
; CURRENT APPLICATION NUMBER: US/10/373,540
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US/09/489,156
; PRIOR FILING DATE: PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: G alpha i R peptide
US-10-373-540-17

Query Match 29.5%; Score 33; DB 14; Length 13;
Best Local Similarity 66.7%; Pred. No. 5e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IGGGPGCLF 19
: ||| |||
Db 1 MGNIGIKCLF 9

RESULT 13

US-10-411-336A-113
; Sequence 113, Application US/10411336A
; Publication No. US20040018558A1
; GENERAL INFORMATION:
; APPLICANT: GILCHRIST, ANNETTE
; APPLICANT: HAMM, HEIDI
; TITLE OF INVENTION: METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 2661-102
; CURRENT APPLICATION NUMBER: US/10/411,336A
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: US 09/852910
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/275472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 113
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: G alpha i R minigene peptide
US-10-411-336A-113

Query Match 29.5%; Score 33; DB 15; Length 13;
Best Local Similarity 66.7%; Pred. No. 5e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IGGGPGCLF 19
: ||| |||
Db 1 MGNIGIKCLF 9

RESULT 14

US-10-732-345-20
; Sequence 20, Application US/10732345

Publication No. US20040214331A1
GENERAL INFORMATION:
APPLICANT: FRAZER, IAN
APPLICANT: ZHOU, JIAN
TITLE OF INVENTION: PAPILLOMAVIRUS VACCINE
FILE REFERENCE: 065064/0137
CURRENT APPLICATION NUMBER: US/10/732,345
CURRENT FILING DATE: 2003-12-11
PRIOR APPLICATION NUMBER: 08/185,928
PRIOR FILING DATE: 1994-01-19
PRIOR APPLICATION NUMBER: PCT/AU92/02184
PRIOR FILING DATE: 1992-07-20
PRIOR APPLICATION NUMBER: AU PK7322
PRIOR FILING DATE: 1991-07-19
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 20
LENGTH: 15
TYPE: PRT
ORGANISM: Human papillomavirus type 16
US-10-732-345-20

Query Match 29.5%; Score 33; DB 17; Length 15;
Best Local Similarity 62.5%; Pred. No. 5.8e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 10 HIGNGGPC 17
| | | | |
DB 4 HWKGSPC 11

RESULT 15
US-09-908-322-32
Sequence 32, Application US/09908322
Patent No. US20020107194A1
GENERAL INFORMATION:
APPLICANT: Ish-Horowicz, David
Henrique, Domingos Manuel Pinto
Lewis, Julian Hart
Artavanis-Tsakonas, Spyridon
Gray, Grace
TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF
VERTEBRATE DELTA GENE AND METHODS BASED THEREON
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/908,322
FILING DATE: 17-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/981,392
FILING DATE: 22-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:

LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: unknown
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-908-322-32
Query Match 29.5%; Score 33; DB 9; Length 16;
Best Local Similarity 50.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
QY 5 RGAEVHIGNGGPCL 18
| | | | |
DB 3 RGMQVOSGLAGPVL 16
Search completed: January 26, 2005, 00:51:39
Job time : 56.6 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-12

Perfect score: 112

Sequence: 1 TIDGRCAEVHIGNGGPCLPM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
- 2: /cgn2_6/prodata/1/iaa/5S_COMB.pep.*
- 3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
- 4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
- 5: /cgn2_6/prodata/1/iaa/PCUTS_COMB.pep.*
- 6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	92	82.1	20	3	US-08-467-023-35
2	70	62.5	15	4	US-09-142-524D-34
3	68	60.7	15	4	US-09-142-524D-33
4	52	46.4	15	4	US-09-142-524D-35
5	52	46.4	20	3	US-08-467-023-36
6	40	35.7	15	4	US-09-142-524D-32
7	40	35.7	20	3	US-08-467-023-34
8	40	35.7	20	3	US-09-166-028-5
9	37	33.0	16	4	US-09-369-247-119
10	36	32.1	15	3	US-08-654-623-71
11	36	32.1	20	3	US-09-166-028-4
12	33	29.5	13	4	US-09-489-156-17
13	33	29.5	15	4	US-09-947-372A-20
14	33	29.5	16	3	US-08-981-392-32
15	33	29.5	16	4	US-09-908-322-32
16	33	29.5	19	1	US-08-290-448A-49
17	33	29.5	19	1	US-08-290-448A-49
18	33	29.5	19	1	US-08-175-069A-49
19	33	29.5	19	3	US-08-461-939B-49
20	33	29.5	19	3	US-08-464-000-49
21	33	29.5	20	1	US-07-678-974D-13
22	33	29.5	20	2	US-08-945-168-18
23	32	28.6	16	3	US-08-802-981-71
24	31.5	28.1	14	1	US-08-678-552A-1
25	31.5	28.1	14	2	US-08-576-039-1
26	31	27.7	9	3	US-08-946-525-4
27	31	27.7	9	4	US-09-599-286-4

28	31	27.7	13	3	US-09-258-754-107	Sequence 107, App
29	31	27.7	13	3	US-09-042-107-107	Sequence 107, App
30	31	27.7	13	4	US-09-722-250D-107	Sequence 107, App
31	31	27.7	13	4	US-10-152-158-2	Sequence 2, Appl1
32	31	27.7	13	4	US-09-676-475A-107	Sequence 107, App
33	31	27.7	15	2	US-08-733-982A-14	Sequence 14, Appl
34	31	27.7	15	5	PCN-US93-06751-136	Sequence 136, App
35	30	26.8	20	1	US-07-956-848A-45	Sequence 45, Appl
36	30	26.8	20	1	US-08-471-956-45	Sequence 45, Appl
37	29	25.9	9	4	US-08-988-242-16	Sequence 16, Appl
38	29	25.9	12	1	US-08-446-856A-10	Sequence 10, Appl
39	29	25.9	13	4	US-09-664-945-104	Sequence 104, App
40	29	25.9	14	4	US-09-741-171-5	Sequence 5, Appl1
41	29	25.9	15	3	US-09-140-201-14	Sequence 14, Appl
42	29	25.9	15	5	PCT-US93-06751-87	Sequence 87, Appl
43	29	25.9	18	2	US-09-017-205-17	Sequence 17, Appl
44	29	25.9	18	2	US-09-017-205-20	Sequence 20, Appl
45	29	25.9	19	3	US-08-825-852-76	Sequence 76, Appl

ALIGNMENTS

RESULT 1

US-08-467-023-35
; Sequence 35, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,972
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal


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;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-36

Query Match 46.4%; Score 52; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 IGGGPGCLFM 20
DB 1 IGGGPGCVFI 10

RESULT 6
US-09-142-524D-32
; Sequence 32, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18
; US-09-142-524D-32

Query Match 35.7%; Score 40; DB 4; Length 15;
Best Local Similarity 70.0%; Pred. No. 14;
Matches 7; Conservative 2; Mismatches 1; Indels 1; Gaps 0;

QY 1 TIDGRGAEVH 10
DB 6 TFDGRGAQVY 15

us-09-202-464-12.closed.ra1

RESULT 7
US-08-467-023-34
; Sequence 34, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-34

Query Match 35.7%; Score 40; DB 3; Length 20;
Best Local Similarity 70.0%; Pred. No. 19;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 TIDGRGAEVH 10
DB 11 TFDGRGAQVY 20

RESULT 8
US-09-166-028-5
; Sequence 5, Application US/09166028
; Patent No. 6245885
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; TITLE OF INVENTION: REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/166,028
; CURRENT FILING DATE: 1998-10-05
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; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-166-028-5

Query Match      35.7%; Score 40; DB 3; Length 20;
Best Local Similarity 53.3%; Pred. No. 19;
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

QY  2 IDGRGAEVHIGNGGP 16
Db   1 MDGSGD--HLGGGP 13

RESULT 9
US-09-369-247-119
; Sequence 119, Application US/09369247
; Patent No. 6569992
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1
; CURRENT APPLICATION NUMBER: US/09/369,247
; CURRENT FILING DATE: 1999-08-05
; EARLIER APPLICATION NUMBER: 60/074,118
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,157
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,137
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,341
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,141
; EARLIER FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-369-247-119

Query Match      33.0%; Score 37; DB 4; Length 16;
Best Local Similarity 46.2%; Pred. No. 42;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY  4 GRGAEVHIGNGGP 16
Db   1 GTSPEAYVGGGP 13

RESULT 10
US-08-654-623-71
; Sequence 71, Application US/08654623
; Patent No. 6010884
; GENERAL INFORMATION:
; APPLICANT: Griffiths, Andrew D
; APPLICANT: Holliger, Kaspar-Philipp
; APPLICANT: Nissim, Ahuva
; APPLICANT: Fisch, Igor
; APPLICANT: Winter, Gregory P
; TITLE OF INVENTION: Recombinant Binding Proteins and Peptides
; NUMBER OF SEQUENCES: 71
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,623
; FILING DATE: 29-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9225453.1
; FILING DATE: 04-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9300816.7
; FILING DATE: 16-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93303614.7
; FILING DATE: 10-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9319969.3
; FILING DATE: 22-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB93/02492
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9412147.2
; FILING DATE: 17-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB94/02662
; FILING DATE: 05-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/448,418
; FILING DATE: 02-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: David W. Clough
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28111/33259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-654-623-71

Query Match      32.1%; Score 36; DB 3; Length 15;
Best Local Similarity 40.0%; Pred. No. 56;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY  4 GRGAEVHIGNGGPCL 18
Db   1 GGGGSLNVGGGGSAL 15

RESULT 11
US-09-166-028-4
; Sequence 4, Application US/09166028
; Patent No. 6245885
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/166,028
; CURRENT FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
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ORGANISM: Mus musculus
US-09-166-028-4

Query Match 32.1%; Score 36; DB 3; Length 20;
Best Local Similarity 46.7%; Pred. No. 75;
Matches 7; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

QY 2 IDRGAEVHNGGP 16
DB 1 MDGSGEQ--LGSGGP 13
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: : : : :
: : : : :

RESULT 12
US-09-489-156-17
; Sequence 17, Application US/09489156
; Patent No. 6559128
; GENERAL INFORMATION:
; APPLICANT: HAMM, Heidi
; APPLICANT: GILCHRIST, Annette
; TITLE OF INVENTION: INHIBITORS OF G PROTEIN-MEDIATED SIGNALING, METHODS OF MAKING THE
; FILE OF INVENTION: USES THEREOF
; FILE REFERENCE: 0290-29 (NU 99037)
; CURRENT APPLICATION NUMBER: US/09/489,156
; CURRENT FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: G alpha i R peptide
US-09-489-156-17

Query Match 29.5%; Score 33; DB 4; Length 13;
Best Local Similarity 66.7%; Pred. No. 1.3e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IGNGGPGCLF 19
DB 1 MGNIGKLP 9
: : : : :
: : : : :

RESULT 13
US-09-947-372A-20
; Sequence 20, Application US/09947372A
; Patent No. 6613557
; GENERAL INFORMATION:
; APPLICANT: FRAZER, IAN
; APPLICANT: ZHOU, JIAN
; TITLE OF INVENTION: PAPILLOMAVIRUS VACCINE
; FILE REFERENCE: 065064/0137
; CURRENT APPLICATION NUMBER: US/09/947,372A
; CURRENT FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: 08/185,928
; PRIOR FILING DATE: 1994-01-19
; PRIOR APPLICATION NUMBER: PCT/AU92/02184
; PRIOR FILING DATE: 1992-07-20
; PRIOR APPLICATION NUMBER: AU PK7322
; PRIOR FILING DATE: 1991-07-19
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Human papillomavirus type 16
US-09-947-372A-20

Query Match 29.5%; Score 33; DB 4; Length 15;
Best Local Similarity 62.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 10 HIGNGGPC 17

DB 4 HMGKSPC 11
: : : : :
: : : : :

RESULT 14
US-08-981-392-32
; Sequence 32, Application US/08981392
; Patent No. 6262025
; GENERAL INFORMATION:
; APPLICANT: Ish-Horowitz, David
; APPLICANT: Henrique, Domingos Manuel Pinto
; APPLICANT: Lewis, Julian Hart
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Gray, Grace
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES
; TITLE OF INVENTION: OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/981,392
; FILING DATE: 22-DEC-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Antler, Adriane M.
; REGISTRATION NUMBER: 32,605
; REFERENCE/DOCKET NUMBER: 7326-038
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-981-392-32

Query Match 29.5%; Score 33; DB 3; Length 16;
Best Local Similarity 50.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 5 RGAEVHNGGPCL 18
DB 3 RGMVQSGLAGPVL 16
: : : : :
: : : : :

RESULT 15
US-09-908-322-32
; Sequence 32, Application US/09908322
; Patent No. 6783956
; GENERAL INFORMATION:
; APPLICANT: Ish-Horowitz, David
; APPLICANT: Henrique, Domingos Manuel Pinto
; APPLICANT: Lewis, Julian Hart
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Gray, Grace
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF
; TITLE OF INVENTION: VERTEBRATE DELTA GENE AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/908,322
FILING DATE: 17-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/981,392
FILING DATE: 22-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: unknown
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-908-322-32

Query Match 29.5%; Score 33; DB 4; Length 16;
Best Local Similarity 50.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 5 RGAEVHIGNGGACL 18
|||:|:|:|:|
Db 3 RGMQVQSLAGPVL 16

Search completed: January 26, 2005, 00:05:15
Job time : 17.9 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-13

Perfect score: 111

Sequence: 1 INGGPCLFMRVTVSHLG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/prodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/prodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/prodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/prodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/prodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/prodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/prodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/prodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	62	55.9	15	14	US-10-354-240-35 Sequence 35, Appl
2	58	52.3	15	14	US-10-354-240-36 Sequence 36, Appl
3	58	52.3	15	14	US-10-354-240-159 Sequence 159, Appl
4	58	52.3	15	14	US-10-354-240-163 Sequence 163, Appl
5	52	46.8	14	14	US-10-354-240-169 Sequence 169, Appl
6	52	46.8	15	14	US-10-354-240-34 Sequence 34, Appl
7	51	45.9	14	14	US-10-354-240-164 Sequence 164, Appl
8	44	39.6	13	14	US-10-354-240-170 Sequence 170, Appl
9	42	37.8	12	14	US-10-354-240-171 Sequence 171, Appl
10	42	37.8	13	14	US-10-354-240-13 Sequence 13, Appl
11	42	37.8	13	14	US-10-354-240-165 Sequence 165, Appl
12	42	37.8	13	14	US-10-354-240-174 Sequence 174, Appl
13	41	36.9	12	14	US-10-354-240-166 Sequence 166, Appl

14	38	34.2	11	14	US-10-354-240-172	Sequence 172, App
15	35	31.5	11	14	US-10-354-240-167	Sequence 167, App
16	34	30.6	10	14	US-10-354-240-168	Sequence 168, App
17	34	30.6	10	14	US-10-354-240-173	Sequence 173, App
18	34	30.6	15	14	US-10-354-240-37	Sequence 37, Appl
19	33	29.7	13	10	US-09-852-910-113	Sequence 113, App
20	33	29.7	13	14	US-10-373-540-17	Sequence 17, Appl
21	33	29.7	13	15	US-10-411-336A-113	Sequence 113, App
22	33	29.7	18	9	US-09-865-943-76	Sequence 76, Appl
23	33	29.7	18	9	US-09-865-943-197	Sequence 197, App
24	32	28.8	10	10	US-09-572-404B-852	Sequence 852, App
25	32	28.8	14	14	US-10-346-162-2	Sequence 2, Appl
26	32	28.8	16	9	US-09-865-943-64	Sequence 64, Appl
27	32	28.8	16	9	US-09-865-943-189	Sequence 189, App
28	32	28.8	18	9	US-09-865-943-70	Sequence 70, Appl
29	32	28.8	18	9	US-09-865-943-192	Sequence 192, App
30	31.5	28.4	19	10	US-09-809-391-512	Sequence 512, App
31	31.5	28.4	19	10	US-09-882-171-512	Sequence 512, App
32	31.5	28.4	19	14	US-10-164-861-512	Sequence 512, App
33	31	27.9	15	9	US-09-864-675-18	Sequence 18, Appl
34	31	27.9	18	9	US-09-865-943-75	Sequence 75, Appl
35	31	27.9	18	9	US-09-865-943-196	Sequence 196, App
36	31	27.9	18	10	US-09-764-163-2	Sequence 2, Appl
37	31	27.9	18	14	US-10-106-698-7659	Sequence 7659, Ap
38	31	27.9	18	15	US-10-668-778-9	Sequence 9, Appl
39	31	27.9	20	14	US-10-280-066-467	Sequence 467, App
40	30	27.0	16	9	US-09-865-943-25	Sequence 25, Appl
41	30	27.0	16	9	US-09-865-943-61	Sequence 61, Appl
42	30	27.0	16	9	US-09-865-943-63	Sequence 63, Appl
43	30	27.0	16	9	US-09-865-943-65	Sequence 65, Appl
44	30	27.0	16	9	US-09-865-943-111	Sequence 111, App
45	30	27.0	16	9	US-09-865-943-132	Sequence 132, App

ALIGNMENTS

RESULT 1

US-10-354-240-35
; Sequence 35, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptosporidia japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21
US-10-354-240-35

Query Match 55.9%; Score 62; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.017;
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 INGGPCLFMRVTVSH 15

|||||:::|:

Db 1 IGGGPCVFIKRVSN 15

RESULT 2

US-10-354-240-36

; Sequence 36, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; PRIOR FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 36

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22

US-10-354-240-36

Query Match 52.3%; Score 58; DB 14; Length 15;

Best Local Similarity 60.0%; Pred. No. 0.069;

Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILHG 20

Db 1 PCVFIKRVSNVILHG 15

RESULT 3

US-10-354-240-159

; Sequence 159, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; PRIOR FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 159

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Figure 7, Row b

US-10-354-240-159

Query Match 52.3%; Score 58; DB 14; Length 15;

Best Local Similarity 60.0%; Pred. No. 0.069;

Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILHG 20

Db 1 PCVFIKRVSNVILHG 15

RESULT 4

US-10-354-240-163

; Sequence 163, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 163

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-1.

US-10-354-240-163

Query Match 52.3%; Score 58; DB 14; Length 15;

Best Local Similarity 60.0%; Pred. No. 0.069;

Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILHG 20

Db 1 PCVFIKRVSNVILHG 15

RESULT 5

US-10-354-240-169

; Sequence 169, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 169

; LENGTH: 14

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-7.

US-10-354-240-169

Query Match 46.8%; Score 52; DB 14; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.53;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILH 19
|:|:|:|:|:|:|:
Db 1 PCVFIKRVSNVIIH 14

RESULT 6

US-10-354-240-34

; Sequence 34, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
US-10-354-240-34

Query Match 46.8%; Score 52; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.57;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IGNGGPCLEF 10
|:|:|:|:|:|:|:
Db 6 IGNGGPCVFI 15

RESULT 7

US-10-354-240-164

; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164

Query Match 45.9%; Score 51; DB 14; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.76;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 7 CLFMRTVSHVILHG 20
|:|:|:|:|:|:|:
Db 1 CVFIKRVSNVIIHG 14

RESULT 8

US-10-354-240-170

; Sequence 170, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 170
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-10-354-240-170

Query Match 39.6%; Score 44; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 8.2;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVIL 18
|:|:|:|:|:|:|:
Db 1 PCVFIKRVSNVII 13

RESULT 9

US-10-354-240-171

; Sequence 171, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1

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; SEQ ID NO 171
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-10-354-240-171

Query Match          37.8%; Score 42; DB 14; Length 12;
Best Local Similarity 58.3%; Pred. No. 15;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVI 17
Db 1 PCVFIKRVSNVI 12

RESULT 10
US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-13

Query Match          37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVLHG 20
Db 1 VFIKRVSNVIHG 13

RESULT 11
US-10-354-240-165
; Sequence 165, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
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; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165

Query Match          37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVLHG 20
Db 1 VFIKRVSNVIHG 13

RESULT 12
US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174

Query Match          37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVLHG 20
Db 1 VFIKRVSNVIHG 13

RESULT 13
US-10-354-240-166
; Sequence 166, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Iwama, Akiko
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
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; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match      36.9%; Score 41; DB 14; Length 12;
Best Local Similarity 58.3%; Pred. No. 22;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      9 FMRTVSHVILHG 20
Db      1 FIKRVSNVILHG 12

RESULT 14
US-10-354-240-172
; Sequence 172, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 172
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-10.
US-10-354-240-172

Query Match      34.2%; Score 38; DB 14; Length 11;
Best Local Similarity 54.5%; Pred. No. 57;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      6 PCLFMRTVSHV 16
Db      1 PCVFIKRVSNV 11

RESULT 15
US-10-354-240-167
; Sequence 167, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-10-354-240-167

Query Match      31.5%; Score 35; DB 14; Length 11;
Best Local Similarity 54.5%; Pred. No. 1.6e+02;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      10 MRTVSHVILHG 20
Db      1 IKRVSNVILHG 11

Search completed: January 26, 2005, 00:51:40
Job time : 56.6 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-13

Perfect score: 111

Sequence: 1 IGGGPECLPRTVSHVILHG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

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- 5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	86	77.5	20	3	US-08-467-023-36
2	62	55.9	15	4	US-09-142-524D-35
3	58	52.3	15	4	US-09-142-524D-36
4	58	52.3	15	4	US-09-142-524D-159
5	58	52.3	15	4	US-09-142-524D-163
6	52	46.8	14	4	US-09-142-524D-169
7	52	46.8	15	4	US-09-142-524D-34
8	52	46.8	20	3	US-08-467-023-35
9	51	45.9	14	4	US-09-142-524D-164
10	44	39.6	13	4	US-09-142-524D-170
11	42	37.8	12	4	US-09-142-524D-171
12	42	37.8	13	4	US-09-142-524D-13
13	42	37.8	13	4	US-09-142-524D-165
14	42	37.8	13	4	US-09-142-524D-174
15	41	36.9	12	4	US-09-142-524D-166
16	38	34.2	11	4	US-09-142-524D-172
17	35	31.5	11	4	US-09-142-524D-167
18	34	30.6	10	4	US-09-142-524D-168
19	34	30.6	10	4	US-09-142-524D-173
20	34	30.6	15	4	US-09-142-524D-37
21	34	30.6	20	3	US-08-467-023-37
22	33	29.7	13	4	US-09-489-156-17
23	33	29.7	18	3	US-09-128-344A-76
24	33	29.7	18	3	US-09-128-344A-197
25	32	28.8	16	3	US-09-128-344A-64
26	32	28.8	16	3	US-09-128-344A-189
27	32	28.8	18	3	US-09-128-344A-70

28	32	28.8	18	3	US-09-128-344A-192	Sequence 192, App
29	31.5	28.4	19	4	US-09-149-476-512	Sequence 512, App
30	31	27.9	18	3	US-09-128-344A-75	Sequence 75, Appl
31	31	27.9	18	3	US-09-128-344A-196	Sequence 196, App
32	30	27.0	16	3	US-09-128-344A-25	Sequence 25, Appl
33	30	27.0	16	3	US-09-128-344A-61	Sequence 61, Appl
34	30	27.0	16	3	US-09-128-344A-63	Sequence 63, Appl
35	30	27.0	16	3	US-09-128-344A-65	Sequence 65, Appl
36	30	27.0	16	3	US-09-128-344A-111	Sequence 111, App
37	30	27.0	16	3	US-09-128-344A-132	Sequence 132, App
38	30	27.0	16	3	US-09-128-344A-186	Sequence 186, App
39	30	27.0	16	3	US-09-128-344A-188	Sequence 188, App
40	30	27.0	17	3	US-09-128-344A-13	Sequence 13, Appl
41	30	27.0	17	3	US-09-128-344A-23	Sequence 23, Appl
42	30	27.0	17	3	US-09-128-344A-47	Sequence 47, Appl
43	30	27.0	17	3	US-09-128-344A-93	Sequence 93, Appl
44	30	27.0	17	3	US-09-128-344A-95	Sequence 95, Appl
45	30	27.0	17	3	US-09-128-344A-105	Sequence 105, App

ALIGNMENTS

RESULT 1

US-08-467-023-36
; Sequence 36, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal


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; OTHER INFORMATION: Figure 15, p22-1.
US-09-142-524D-163

Query Match          52.3%; Score 58; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.016;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILHG 20
DB 1 PCVFIRKVSNNVIH 15

RESULT 6
US-09-142-524D-169
; Sequence 169, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/Jp97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-09-142-524D-169

Query Match          46.8%; Score 52; DB 4; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.13;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILH 19
DB 1 PCVFIRKVSNNVIH 14

RESULT 7
US-09-142-524D-34
; Sequence 34, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/Jp97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
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; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
US-09-142-524D-34

Query Match          46.8%; Score 52; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.14;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IGNNGPCLFM 10
DB 6 IGNNGPCVFI 15

RESULT 8
US-08-467-023-35
; Sequence 35, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-35

Query Match          46.8%; Score 52; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.18;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IGNNGPCLFM 10
DB 11 IGNNGPCVFI 20
```

RESULT 9

US-09-142-524D-164
; Sequence 164, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-09-142-524D-164

Query Match 45.9%; Score 51; DB 4; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.18;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 7 CLFMRTVSHVILHG 20
|:|:|:|:|:|:|:
Db 1 CVFIKRVSNVILHG 14

RESULT 10

US-09-142-524D-170
; Sequence 170, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 170
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-09-142-524D-170

Query Match 39.6%; Score 44; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 2;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 CLFMRTVSHVIL 18
|:|:|:|:|:|:|:
Db 1 PCVFIKRVSNVII 13

RESULT 11

US-09-142-524D-171
; Sequence 171, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 171
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-09-142-524D-171

Query Match 37.8%; Score 42; DB 4; Length 12;
Best Local Similarity 58.3%; Pred. No. 3.6;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVI 17
|:|:|:|:|:|:|:
Db 1 PCVFIKRVSNVI 12

RESULT 12

US-09-142-524D-13
; Sequence 13, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-13

Query Match 37.8%; Score 42; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 4;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20
|:|:|:|:|:|:|:
Db 1 VFIFKRVSNVILHG 13

RESULT 13

US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165

Query Match 37.8%; Score 42; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 4;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 8 LFMRTVSHVILHG 20
|::|::|::|
Db 1 VFIKRVSNVILHG 13

RESULT 14
US-09-142-524D-174
; Sequence 174, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-09-142-524D-174

Query Match 37.8%; Score 42; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 4;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 8 LFMRTVSHVILHG 20
|::|::|::|
Db 1 VFIKRVSNVILHG 13

RESULT 15
US-09-142-524D-166
; Sequence 166, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-09-142-524D-166

Query Match 36.9%; Score 41; DB 4; Length 12;
Best Local Similarity 58.3%; Pred. No. 5.2;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 9 FMRTVSHVILHG 20
|::|::|::|
Db 1 FIKRVSNVILHG 12

Search completed: January 26, 2005, 00:05:15
Job time : 16.9 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-14

Perfect score: 108

Sequence: 1 RTVSHVILGLNHGNTSV 20

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Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	62	57.4	15	US-10-354-240-38	Sequence 38, Appl
2	49	45.4	15	US-10-354-240-37	Sequence 37, Appl
3	38	35.2	15	US-10-354-240-39	Sequence 39, Appl
4	34	31.5	10	US-10-354-240-168	Sequence 168, App
5	34	31.5	11	US-10-354-240-167	Sequence 167, App
6	34	31.5	12	US-10-354-240-166	Sequence 166, App
7	34	31.5	13	US-10-354-240-13	Sequence 13, Appl
8	34	31.5	13	US-10-354-240-165	Sequence 165, App
9	34	31.5	13	US-10-354-240-174	Sequence 174, App
10	34	31.5	14	US-10-354-240-164	Sequence 164, App
11	34	31.5	15	US-10-354-240-36	Sequence 36, Appl
12	34	31.5	15	US-10-354-240-159	Sequence 159, App
13	34	31.5	15	US-10-354-240-163	Sequence 163, App

14	32	29.6	8	14	US-10-449-659-46	Sequence 46, Appl
15	32	29.6	10	14	US-10-062-548-143	Sequence 143, App
16	32	29.6	12	10	US-09-876-904A-199	Sequence 199, App
17	32	29.6	14	14	US-10-346-162-2	Sequence 2, Appl
18	32	29.6	15	14	US-10-125-869A-51	Sequence 51, Appl
19	32	29.6	15	15	US-10-462-262-275	Sequence 275, App
20	32	29.6	18	14	US-10-216-122-50	Sequence 50, Appl
21	31	28.7	15	16	US-10-756-289-2	Sequence 2, Appl
22	31	28.7	18	14	US-10-083-641A-12	Sequence 12, Appl
23	31	28.7	18	14	US-10-349-543-4	Sequence 4, Appl
24	31	28.7	19	10	US-09-791-524-1	Sequence 1, Appl
25	31	28.7	19	10	US-09-791-524-2	Sequence 2, Appl
26	31	28.7	19	14	US-10-062-831-123	Sequence 123, App
27	31	28.7	19	14	US-10-062-599-123	Sequence 123, App
28	31	28.7	20	14	US-10-225-567A-1794	Sequence 1794, App
29	30	27.8	9	9	US-09-769-145-76	Sequence 76, Appl
30	30	27.8	9	10	US-09-865-548A-117	Sequence 117, App
31	30	27.8	9	14	US-10-105-008-76	Sequence 76, Appl
32	30	27.8	9	14	US-10-058-821-55	Sequence 55, Appl
33	30	27.8	9	14	US-10-359-546-70	Sequence 70, Appl
34	30	27.8	9	15	US-10-425-557-76	Sequence 76, Appl
35	30	27.8	9	15	US-10-412-701-76	Sequence 76, Appl
36	30	27.8	9	16	US-10-632-678-76	Sequence 76, Appl
37	30	27.8	10	10	US-09-572-404B-3910	Sequence 3910, App
38	30	27.8	10	10	US-09-572-404B-3911	Sequence 3911, App
39	30	27.8	12	14	US-10-075-869-25	Sequence 25, Appl
40	30	27.8	12	14	US-10-366-493-25	Sequence 25, Appl
41	29	26.9	9	15	US-10-428-335-142	Sequence 142, App
42	29	26.9	12	14	US-10-167-831-17	Sequence 17, Appl
43	29	26.9	14	15	US-10-460-594-3	Sequence 3, Appl
44	29	26.9	20	10	US-09-991-433-46	Sequence 46, Appl
45	29	26.9	20	10	US-09-991-433-47	Sequence 47, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-38
; Sequence 38, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 24
US-10-354-240-38

Query Match 57.4%; Score 62; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.0095;
Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 6 VILHGLNHGNTSV 20

|||||:|:|:|

Db 1 VIIHGLHLYGCTSV 15

RESULT 2

US-10-354-240-37

; Sequence 37, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; FILE REFERENCE: SPO-103D1

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 37

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 23

US-10-354-240-37

Query Match 45.4%; Score 49; DB 14; Length 15;

Best Local Similarity 53.3%; Pred. No. 0.98; Indels 1; Gaps 0;

Matches 8; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVLHGLNIHG 15

Db 1 KRVSNNIHLGLYV 15

RESULT 3

US-10-354-240-39

; Sequence 39, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 39

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 25

US-10-354-240-39

Query Match 35.2%; Score 38; DB 14; Length 15;

Best Local Similarity 60.0%; Pred. No. 49;

Matches 6; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 11 LNIHGCTSV 20

Db 1 LHDYGCSTV 10

RESULT 4

US-10-354-240-168

; Sequence 168, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 168

; LENGTH: 10

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-6.

US-10-354-240-168

Query Match 31.5%; Score 34; DB 14; Length 10;

Best Local Similarity 60.0%; Pred. No. 1.3e+02;

Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVLHG 10

Db 1 KRVSNNIHG 10

RESULT 5

US-10-354-240-167

; Sequence 167, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 167

; LENGTH: 11

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-5.

US-10-354-240-167

Query Match 31.5%; Score 34; DB 14; Length 11;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
: ||: ||: ||
Db 2 KRVSNIILHG 11

RESULT 6

US-10-354-240-166
; Sequence 166, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match 31.5%; Score 34; DB 14; Length 12;
Best Local Similarity 60.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
: ||: ||: ||
Db 3 KRVSNIILHG 12

RESULT 7

US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica

US-10-354-240-13

Query Match 31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
: ||: ||: ||
Db 4 KRVSNIILHG 13

RESULT 8

US-10-354-240-165
; Sequence 185, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165

Query Match 31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
: ||: ||: ||
Db 4 KRVSNIILHG 13

RESULT 9

US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica

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; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174

Query Match      31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:|
Db      4 KRVSNIH 13

RESULT 10
US-10-354-240-164
; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164

Query Match      31.5%; Score 34; DB 14; Length 14;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:|
Db      5 KRVSNIH 14

RESULT 11
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 36
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; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22
US-10-354-240-36

Query Match      31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:|
Db      6 KRVSNIH 15

RESULT 12
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row b
US-10-354-240-159

Query Match      31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:|
Db      6 KRVSNIH 15

RESULT 13
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
```


; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
Db 6 KRVSNIILHG 15

RESULT 14
US-10-449-659-46
; Sequence 46, Application US/10449659
; Publication No. US20030229005A1
; GENERAL INFORMATION:
; APPLICANT: Cognosci, Inc.
; APPLICANT: Moss, Marcia Lynn
; APPLICANT: Rasmussen, Fred H.
; APPLICANT: Vittek, Michael P.
; TITLE OF INVENTION: Assays for measuring matrix metalloproteinase activities
; FILE REFERENCE: 56816-5001-US
; CURRENT APPLICATION NUMBER: US/10/449,659
; CURRENT FILING DATE: 2003-06-02
; PRIOR APPLICATION NUMBER: US 60/384,135
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 46
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: metalloproteinase substrate
US-10-449-659-46

Query Match 29.6%; Score 32; DB 14; Length 8;
Best Local Similarity 66.7%; Pred. No. 1.5e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 LNIHGC 16
Db 3 VNLHGC 8

RESULT 15
US-10-062-548-143
; Sequence 143, Application US/10062548
; Publication No. US20030096982A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1
; CURRENT APPLICATION NUMBER: US/10/062,548
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 09/369,247
; PRIOR FILING DATE: 1999-08-05
; PRIOR APPLICATION NUMBER: 60/074,118
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,157
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,137

; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,341
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,141
; PRIOR FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 143
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-062-548-143

Query Match 29.6%; Score 32; DB 14; Length 10;
Best Local Similarity 50.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVSHVILHGL 11
Db 1 TVKHEVIHAL 10

Search completed: January 26, 2005, 00:51:41
Job time : 56.6 secs

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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78,483 Million cell updates/sec

Title: US-09-202-464-14

Perfect score: 108

Sequence: 1 RTVSHVILHGLNIHGNTSV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	69	63.9	20	3	US-08-467-023-37
2	62	57.4	15	4	US-09-142-524D-38
3	49	45.4	15	4	US-09-142-524D-37
4	38	35.2	15	4	US-09-142-524D-39
5	35	32.4	18	1	US-08-197-792-12
6	35	32.4	18	1	US-08-459-850-12
7	35	32.4	18	1	US-08-459-214-12
8	35	32.4	20	3	US-08-467-023-38
9	34	31.5	10	4	US-09-142-524D-168
10	34	31.5	11	4	US-09-142-524D-167
11	34	31.5	12	4	US-09-142-524D-166
12	34	31.5	13	4	US-09-142-524D-13
13	34	31.5	13	4	US-09-142-524D-165
14	34	31.5	13	4	US-09-142-524D-174
15	34	31.5	14	4	US-09-142-524D-164
16	34	31.5	15	4	US-09-142-524D-36
17	34	31.5	15	4	US-09-142-524D-159
18	34	31.5	15	4	US-09-142-524D-163
19	34	31.5	20	3	US-08-467-023-36
20	32	29.6	10	4	US-09-369-247-143
21	32	29.6	18	3	US-08-847-844A-50
22	31	28.7	7	3	US-08-142-590B-19
23	31	28.7	15	3	US-08-142-590B-5
24	31	28.7	18	2	US-08-747-915-4
25	31	28.7	18	3	US-08-142-590B-4
26	31	28.7	18	3	US-08-142-590B-24
27	31	28.7	18	4	US-09-285-783-4

28 31 28.7 19 4 US-09-690-454-123 Sequence 123, App
29 31 28.7 20 3 US-08-142-590B-23 Sequence 23, Appl
30 30 27.8 9 3 US-09-250-059-76 Sequence 76, Appl
31 30 27.8 9 3 US-09-248-074-76 Sequence 76, Appl
32 30 27.8 9 4 US-09-357-717-55 Sequence 55, Appl
33 30 27.8 9 4 US-09-458-870-76 Sequence 76, Appl
34 30 27.8 9 4 US-09-248-015-70 Sequence 70, Appl
35 30 27.8 9 4 US-09-544-782-76 Sequence 76, Appl
36 30 27.8 9 4 US-10-058-821-55 Sequence 55, Appl
37 30 27.8 15 2 US-08-484-905-47 Sequence 47, Appl
38 30 27.8 15 3 US-08-481-985B-47 Sequence 47, Appl
39 30 27.8 15 3 US-08-370-476-47 Sequence 47, Appl
40 30 27.8 15 3 US-08-992-877-27 Sequence 27, Appl
41 30 27.8 17 3 US-08-488-551B-801 Sequence 801, App
42 30 27.8 19 1 US-08-451-472-12 Sequence 12, Appl
43 30 27.8 19 1 US-08-451-472-46 Sequence 46, Appl
44 29 26.9 12 3 US-09-188-579-15 Sequence 15, Appl
45 29 26.9 12 3 US-09-315-444-15 Sequence 15, Appl

ALIGNMENTS

RESULT 1

US-08-467-023-37
; Sequence 37, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM: Floppy disk
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

CLASSIFICATION: 435
PRIOR APPLICATION DATA: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-12

Query Match 32.4%; Score 35; DB 1; Length 18;
Best Local Similarity 33.3%; Pred. No. 44;

Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVILHGLNIHG 15
:|:|:|:|:
Db 3 AHILLHAVRVSG 14

RESULT 6
US-08-459-850-12
Sequence 12, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-850-12

Query Match 32.4%; Score 35; DB 1; Length 18;
Best Local Similarity 33.3%; Pred. No. 44;

Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVILHGLNIHG 15
:|:|:|:|:
Db 3 AHILLHAVRVSG 14

RESULT 7
US-08-459-214-12
Sequence 12, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994

/ APPLICATION NUMBER: 07/958414
/ FILING DATE: 08-OCT-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 07/744207
/ FILING DATE: 12-AUG-1991
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 07/215466
/ FILING DATE: 05-JUL-1988
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 06/906729
/ FILING DATE: 31-DEC-1986
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 06/827710
/ FILING DATE: 07-FEB-1986
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 06/783910
/ FILING DATE: 03-OCT-1985
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hasek, Janet E.
/ REGISTRATION NUMBER: 28,616
/ REFERENCE/DOCKET NUMBER: 297P2D6
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 415/225-1896
/ TELEFAX: 415/952-9881
/ TELEX: 910/371-7168
/ INFORMATION FOR SEQ ID NO: 12:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ US-08-459-214-12

Query Match 32.4%; Score 35; DB 1; Length 18;
Best Local Similarity 33.3%; Pred. No. 44;
Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVLHGLNTHG 15
| : : : : :
DB 3 AHILLHVRVSG 14

RESULT 8
US-08-467-023-38
/ Sequence 38, Application US/08467023
/ Patent No. 6090386
/ GENERAL INFORMATION:
/ APPLICANT: Griffith, Irwin J.;
/ APPLICANT: Pollock, Joanne;
/ APPLICANT: Bond, Julian F.;
/ APPLICANT: Garman, Richard D;
/ APPLICANT: Kuo, Mei-Chang;
/ APPLICANT: Yeung, Siu-mei H.;
/ APPLICANT: Brauer, Andrew;
/ APPLICANT: Exley, Mark A.;
/ APPLICANT: Powers, Steven P.
/ TITLE OF INVENTION: Allergenic Proteins And Peptides From
/ NUMBER OF SEQUENCES: 261
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
/ STREET: 610 Lincoln St
/ CITY: Waltham
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02154
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IEM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/467,023
/ FILING DATE: June 6, 1995

/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/350,225
/ FILING DATE: December 6, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Jane E. Remillard
/ REGISTRATION NUMBER: 38,872
/ REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 227-7400
/ TELEFAX: (617) 227-5941
/ INFORMATION FOR SEQ ID NO: 38:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal
/ US-08-467-023-38

Query Match 32.4%; Score 35; DB 3; Length 20;
Best Local Similarity 60.0%; Pred. No. 50;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 11 LNIHGCNTSV 20
| : : : : :
DB 1 LLYLGCSTSV 10

RESULT 9
US-09-142-524D-168
/ Sequence 168, Application US/09142524D
/ Patent No. 6719976
/ GENERAL INFORMATION:
/ APPLICANT: Sone, Toshio
/ APPLICANT: Kume, Akinori
/ APPLICANT: Dairiki, Kazuo
/ APPLICANT: Iwama, Akiko
/ APPLICANT: Kino, Kohsuke
/ TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
/ FILE REFERENCE: SPO-103
/ CURRENT APPLICATION NUMBER: US/09/142,524D
/ CURRENT FILING DATE: 1998-09-09
/ PRIOR APPLICATION NUMBER: PCT/JP97/00740
/ PRIOR FILING DATE: 1997-03-10
/ NUMBER OF SEQ ID NOS: 174
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 168
/ LENGTH: 10
/ TYPE: PRT
/ ORGANISM: Cryptomeria japonica
/ FEATURE:
/ NAME/KEY: MISC FEATURE
/ OTHER INFORMATION: Figure 15, p22-6.
/ US-09-142-524D-168

Query Match 31.5%; Score 34; DB 4; Length 10;
Best Local Similarity 60.0%; Pred. No. 33;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
| : : : : :
DB 1 KRVSNIHNG 10

RESULT 10
US-09-142-524D-167
/ Sequence 167, Application US/09142524D
/ Patent No. 6719976
/ GENERAL INFORMATION:
/ APPLICANT: Sone, Toshio
/ APPLICANT: Kume, Akinori
/ APPLICANT: Dairiki, Kazuo

```

; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-09-142-524D-167

Query Match      31.5%; Score 34; DB 4; Length 11;
Best Local Similarity 60.0%; Pred. No. 36;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:||
Db      2 KRVSNNVIHG 11

RESULT 11
US-09-142-524D-166
; Sequence 166, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-09-142-524D-166

Query Match      31.5%; Score 34; DB 4; Length 12;
Best Local Similarity 60.0%; Pred. No. 40;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:||
Db      3 KRVSNNVIHG 12

RESULT 12
US-09-142-524D-13
; Sequence 13, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:||
Db      4 KRVSNNVIHG 13

RESULT 13
US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:||
Db      4 KRVSNNVIHG 13

RESULT 14
US-09-142-524D-174
; Sequence 174, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
```

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; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-13

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:||
Db      4 KRVSNNVIHG 13

RESULT 13
US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
       : ||:||:||
Db      4 KRVSNNVIHG 13

RESULT 14
US-09-142-524D-174
; Sequence 174, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
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; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-09-142-524D-174

Query Match 31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
: ||:||:
Db 4 KRVSNIH 13

RESULT 15
US-09-142-524D-164
; Sequence 164, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-09-142-524D-164

Query Match 31.5%; Score 34; DB 4; Length 14;
Best Local Similarity 60.0%; Pred. No. 48;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
: ||:||:
Db 5 KRVSNIH 14

Search completed: January 26, 2005, 00:05:16
Job time : 17.9 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds
(without alignments)
129.960 Million cell updates/sec

Title: US-09-202-464-16

Perfect score: 99

Sequence: 1 SGNVLISEAGVVPVHAQDG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	52	52.5	15	14	US-10-354-240-42
2	48	48.5	15	14	US-10-354-240-41
3	43	43.4	15	14	US-10-354-240-43
4	36	36.4	20	9	US-09-813-333-51
5	36	36.4	20	13	US-10-044-703-51
6	36	36.4	20	15	US-10-239-103-51
7	35	35.4	19	10	US-09-994-595-91
8	33.5	33.8	16	10	US-09-747-802-33
9	33.5	33.8	16	10	US-09-865-294-25
10	33.5	33.8	16	16	US-10-789-619-33
11	33.5	33.8	16	17	US-10-861-614-25
12	32	32.3	16	8	US-08-424-5508-366
13	32	32.3	20	17	US-10-776-013-316
					Sequence 42, Appl
					Sequence 41, Appl
					Sequence 43, Appl
					Sequence 51, Appl
					Sequence 51, Appl
					Sequence 91, Appl
					Sequence 33, Appl
					Sequence 25, Appl
					Sequence 33, Appl
					Sequence 25, Appl
					Sequence 366, App
					Sequence 316, App

14	31.5	31.8	19	10	US-09-747-802-49	Sequence 49, Appl
15	31.5	31.8	19	10	US-09-747-802-55	Sequence 55, Appl
16	31.5	31.8	19	10	US-09-747-802-57	Sequence 57, Appl
17	31.5	31.8	19	10	US-09-865-294-38	Sequence 38, Appl
18	31.5	31.8	19	10	US-09-865-294-41	Sequence 41, Appl
19	31.5	31.8	19	10	US-09-865-294-47	Sequence 47, Appl
20	31.5	31.8	19	10	US-09-865-294-49	Sequence 49, Appl
21	31.5	31.8	19	16	US-10-789-619-49	Sequence 49, Appl
22	31.5	31.8	19	16	US-10-789-619-55	Sequence 55, Appl
23	31.5	31.8	19	16	US-10-789-619-57	Sequence 57, Appl
24	31.5	31.8	19	17	US-10-861-614-38	Sequence 38, Appl
25	31.5	31.8	19	17	US-10-861-614-41	Sequence 41, Appl
26	31.5	31.8	19	17	US-10-861-614-47	Sequence 47, Appl
27	31.5	31.8	19	17	US-10-861-614-49	Sequence 49, Appl
28	31	31.3	11	15	US-10-468-543-13	Sequence 13, Appl
29	31	31.3	13	15	US-10-256-850-53	Sequence 53, Appl
30	31	31.3	13	17	US-10-681-381B-54	Sequence 54, Appl
31	31	31.3	15	10	US-09-563-222-63	Sequence 63, Appl
32	31	31.3	15	14	US-10-354-240-40	Sequence 40, Appl
33	31	31.3	15	17	US-10-783-950-63	Sequence 63, Appl
34	31	31.3	20	13	US-10-032-482-25	Sequence 25, Appl
35	31	31.3	20	15	US-10-362-776-19	Sequence 19, Appl
36	30.5	30.8	15	10	US-09-747-802-35	Sequence 35, Appl
37	30.5	30.8	15	10	US-09-747-802-38	Sequence 38, Appl
38	30.5	30.8	15	10	US-09-747-802-42	Sequence 42, Appl
39	30.5	30.8	15	10	US-09-747-802-44	Sequence 44, Appl
40	30.5	30.8	15	10	US-09-865-294-27	Sequence 27, Appl
41	30.5	30.8	15	10	US-09-865-294-30	Sequence 30, Appl
42	30.5	30.8	15	10	US-09-865-294-34	Sequence 34, Appl
43	30.5	30.8	15	10	US-09-865-294-36	Sequence 36, Appl
44	30.5	30.8	15	16	US-10-789-619-35	Sequence 35, Appl
45	30.5	30.8	15	16	US-10-789-619-38	Sequence 38, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-42
; Sequence 42, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28
US-10-354-240-42

Query Match 52.5%; Score 52; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.11;
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 ISEAGVVPVHAQDG 20

||: || || || || ||

Db 1 INESFGVEPVHPQDG 15

RESULT 2
US-10-354-240-41
; Sequence 41, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 27
US-10-354-240-41

Query Match 48.5%; Score 48; DB 14; Length 15;
Best Local Similarity 71.4%; Pred. No. 0.52;
Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 GNVLISEASGVVPV 15
Db 2 GNVLISEASGVVPV 15

RESULT 3
US-10-354-240-43
; Sequence 43, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 29
US-10-354-240-43

Query Match 43.4%; Score 43; DB 14; Length 15;

Best Local Similarity 80.0%; Pred. No. 3.5;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 GVVVPVHAQDG 20
Db 1 GVEPVHPQDG 10

RESULT 4
US-09-813-333-51
; Sequence 51, Application US/09813333
; Patent No. US20020119160A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/09/813,333
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-813-333-51

Query Match 36.4%; Score 36; DB 9; Length 20;
Best Local Similarity 54.5%; Pred. No. 73;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 10 SGVVPVHAQDG 20
Db 10 TAVVPLHRSDG 20

RESULT 5
US-10-044-703-51
; Sequence 51, Application US/10044703
; Publication No. US20020192233A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/10/044,703
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-044-703-51

Query Match 36.4%; Score 36; DB 13; Length 20;
Best Local Similarity 54.5%; Pred. No. 73;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 10 SGVVPVHAQDG 20
Db 10 TAVVPLHRSDG 20

RESULT 6
US-10-239-103-51
; Sequence 51, Application US/10239103
; Publication No. US20040057961A1
; GENERAL INFORMATION:
; APPLICANT: Brown University Research Foundation
; APPLICANT: DeGroot, Anne S

```

; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004-061
; CURRENT APPLICATION NUMBER: US/10/239,103
; CURRENT FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 09/813,333
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-239-103-51

Query Match          36.4%; Score 36; DB 15; Length 20;
Best Local Similarity 54.5%; Pred No. 73;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      10  SGVVPVHAQDG 20
      : |||: ||
Db       10  TAVVPLHRSDG 20

RESULT 7
US-09-994-595-91
; Sequence 91, Application US/09994595
; Publication No. US20030039981A1
; GENERAL INFORMATION:
; APPLICANT: Bhattacherjee, J.
; APPLICANT: Bhattacherjee, Vasker
; TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
; TITLE OF INVENTION: A BIOLOGICAL SAMPLE
; FILE REFERENCE: 96,247-A
; CURRENT APPLICATION NUMBER: US/09/994,595
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: 08/650,809
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 91
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
US-09-994-595-91

Query Match          35.4%; Score 35; DB 10; Length 19;
Best Local Similarity 75.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      13  VPVHAQDG 20
      : ||| |||
Db       9  VPVTHQDG 16

RESULT 8
US-09-747-802-33
; Sequence 33, Application US/09747802
; Publication No. US20030027979A1
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
; TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
; FILE REFERENCE: 1151-4165
; CURRENT APPLICATION NUMBER: US/09/747,802
; CURRENT FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33

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Db      2 VSDVKGUV-VHKVDG 15

RESULT 11
US-10-861-614-25
; Sequence 25, Application US/10861614
; Publication No. US20040247612A1
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention and treatment of Alzheimer's Disease
; TITLE OF INVENTION: treatment of Alzheimer's Disease
; FILE REFERENCE: 1151-4167
; CURRENT APPLICATION NUMBER: US/10/861.614
; CURRENT FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Measles virus
US-10-861-614-25

Query Match      33.8%; Score 33.5; DB 17; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.5e+02;
Matches      8; Conservative      2; Mismatches      4; Indels      1; Gaps      1;

QY      6 ISEASGVVVPVHAQDG 20
      :|: ||| ||| |||
Db      2 VSDVKGUV-VHKVDG 15

RESULT 12
US-08-424-550B-366
; Sequence 366, Application US/08424550B
; Publication No. US2002011947A1
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHRHOFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS REAGENTS AND METHODS FOR THEIR USE
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: ILL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550B
; FILING DATE:
; CLASSIFICATION: 435435
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 366:

Query Match      33.8%; Score 33.5; DB 17; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.5e+02;
Matches      8; Conservative      2; Mismatches      4; Indels      1; Gaps      1;

QY      6 ISEASGVVVPVHAQDG 20
      :|: ||| ||| |||
Db      2 VSDVKGUV-VHKVDG 15

RESULT 13
US-10-776-013-316
; Sequence 316, Application US/10776013
; Publication No. US20040226056A1
; GENERAL INFORMATION:
; APPLICANT: MYRIAD GENETICS, INC.
; APPLICANT: ROCH, JEAN-MARC
; APPLICANT: BARTEL, PAUL
; APPLICANT: HEICHMAN, KAREN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
; TITLE OF INVENTION: DISEASES
; FILE REFERENCE: 1600.24
; CURRENT APPLICATION NUMBER: US/10/776,013
; CURRENT FILING DATE: 2004-02-09
; PRIOR APPLICATION NUMBER: 09/948904
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 09/466139
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/113534
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/124120
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/141243
; PRIOR FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/975072
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240790
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 10/194967
; PRIOR FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 60/304775
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 695
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 316
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-776-013-316

Query Match      32.3%; Score 32; DB 8; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      13 VPVHAQ 18
      |||||
Db      4 VPVHAQ 9

RESULT 14
US-09-747-802-49
; Sequence 49, Application US/09747802
; Publication No. US20030027979A1
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
; TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
```

; FILE REFERENCE: 1151-4165
; CURRENT APPLICATION NUMBER: US/09/747,802
; CURRENT FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 49
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-09-747-802-49

Query Match 31.8%; Score 31.5; DB 10; Length 19;
Best Local Similarity 47.1%; Pred. No. 3.9e+02;
Matches 8; Conservative 3; Mismatches 5; Indels 1; Gaps 1;

QY 4 VLISEASGVVPHAQDG 20
Db 1 ISISEIKGVI-VHKIEG 16

RESULT 15
US-09-747-802-55
; Sequence 55, Application US/09/747802
; Publication No. US200300279A1
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
; TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
; FILE REFERENCE: 1151-4165
; CURRENT APPLICATION NUMBER: US/09/747,802
; CURRENT FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 55
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-09-747-802-55

Query Match 31.8%; Score 31.5; DB 10; Length 19;
Best Local Similarity 47.1%; Pred. No. 3.9e+02;
Matches 8; Conservative 3; Mismatches 5; Indels 1; Gaps 1;

QY 4 VLISEASGVVPHAQDG 20
Db 1 ISISEIKGVI-VHKIEG 16

Search completed: January 26, 2005, 00:51:41
Job time : 55.6 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds
(without alignments)
78.483 Million cell updates/sec

Title: US-09-202-464-16

Perfect score: 99

Sequence: 1 SGNVLISEASGVVPHVHQDG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:*
- 1: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
 - 2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
 - 3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
 - 4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
 - 5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep.*
 - 6: /cgn2_6/prodata/1/iaa/backfilesl.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	72	72.7	20	3	US-08-467-023-39
2	52	52.5	15	4	US-09-142-524D-42
3	48	48.5	15	4	US-09-142-524D-41
4	43	43.4	15	4	US-09-142-524D-43
5	43	43.4	15	4	US-08-467-023-40
6	35	35.4	19	4	US-09-106-568E-91
7	33.5	33.8	16	3	US-09-100-414B-4
8	33.5	33.8	16	3	US-09-100-409A-63
9	33.5	33.8	16	3	US-09-303-323-4
10	33.5	33.8	16	4	US-09-770-014-4
11	33.5	33.8	16	4	US-09-701-588C-4
12	33.5	33.8	16	4	US-09-747-802-33
13	33	33.3	14	3	US-09-112-096-11
14	32	32.3	15	2	US-08-960-128-6
15	32	32.3	16	4	US-08-469-260A-366
16	32	32.3	16	4	US-08-488-446-366
17	32	32.3	16	4	US-08-467-344A-366
18	32	32.3	16	4	US-08-424-550B-366
19	31.5	31.8	19	3	US-09-100-414B-15
20	31.5	31.8	19	3	US-09-100-414B-21
21	31.5	31.8	19	3	US-09-303-323-15
22	31.5	31.8	19	3	US-09-303-323-21
23	31.5	31.8	19	4	US-09-770-014-15
24	31.5	31.8	19	4	US-09-770-014-21
25	31.5	31.8	19	4	US-09-701-588C-15
26	31.5	31.8	19	4	US-09-701-588C-21
27	31.5	31.8	19	4	US-09-747-802-49

28	31.5	31.8	19	4	US-09-747-802-55	Sequence 55, Appl
29	31.5	31.8	19	4	US-09-747-802-57	Sequence 57, Appl
30	31	31.3	15	2	US-08-476-062A-22	Sequence 22, Appl
31	31	31.3	15	4	US-09-563-222C-63	Sequence 63, Appl
32	31	31.3	15	4	US-09-142-524D-40	Sequence 40, Appl
33	31	31.3	15	5	PCT-US96-01314-22	Sequence 22, Appl
34	31	31.3	20	3	US-08-467-023-38	Sequence 38, Appl
35	30.5	30.8	15	3	US-09-100-414B-6	Sequence 6, Appl
36	30.5	30.8	15	3	US-09-100-414B-13	Sequence 13, Appl
37	30.5	30.8	15	3	US-09-303-323-6	Sequence 6, Appl
38	30.5	30.8	15	3	US-09-303-323-13	Sequence 13, Appl
39	30.5	30.8	15	4	US-09-770-014-6	Sequence 6, Appl
40	30.5	30.8	15	4	US-09-770-014-13	Sequence 13, Appl
41	30.5	30.8	15	4	US-09-701-588C-6	Sequence 6, Appl
42	30.5	30.8	15	4	US-09-701-588C-13	Sequence 13, Appl
43	30.5	30.8	15	4	US-09-747-802-35	Sequence 35, Appl
44	30.5	30.8	15	4	US-09-747-802-38	Sequence 38, Appl
45	30.5	30.8	15	4	US-09-747-802-42	Sequence 42, Appl

ALIGNMENTS

RESULT 1
US-08-467-023-39
; Sequence 39, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IM1-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-39

Query Match 72.7%; Score 72; DB 3; Length 20;
Best Local Similarity 73.7%; Pred. No. 1.6e-05;
Matches 14; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 GNVLISEASGVVPHAQDG 20
|||:|:|
Db 2 GNVLINESFGVPHQDG 20

RESULT 2

US-09-142-524D-42
; Sequence 42, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28
US-09-142-524D-42

Query Match 52.5%; Score 52; DB 4; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.025;
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 ISEASGVVPHAQDG 20
||:|:|
Db 1 INESFGVPHQDG 15

RESULT 3

US-09-142-524D-41
; Sequence 41, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 27
US-09-142-524D-41

Query Match 48.5%; Score 48; DB 4; Length 15;
Best Local Similarity 71.4%; Pred. No. 0.12;
Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 GNVLISEASGVVPH 15
|||:|:|
Db 2 GNVLINESFGVPH 15

RESULT 4

US-09-142-524D-43
; Sequence 43, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29
US-09-142-524D-43

Query Match 43.4%; Score 43; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.82;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 GVPVPHAQDG 20
|||:|:|
Db 1 GVEPVPHQDG 10

RESULT 5

US-08-467-023-40
; Sequence 40, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154


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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-40

Query Match 43.4%; Score 43; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 1-2;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 GVPVHAQDG 20
DB 1 GVEPVHPQDG 10

RESULT 6
US-09-106-568E-91
; Sequence 91, Application US/09106568E
; Patent No. 6455248
; GENERAL INFORMATION:
; APPLICANT: Bhattacharjee, J.
; APPLICANT: Suvarna, Kalavati
; APPLICANT: Bhattacharjee, Vaaker
; TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
; TITLE OF INVENTION: A BIOLOGICAL SAMPLE
; FILE REFERENCE: 96,247-A
; CURRENT APPLICATION NUMBER: US/09/106,568E
; CURRENT FILING DATE: 1998-06-29
; PRIOR APPLICATION NUMBER: 08/650,809
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 91
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
; US-09-106-568E-91

Query Match 35.4%; Score 35; DB 4; Length 19;
Best Local Similarity 75.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 13 VPVHAQDG 20
DB 9 VPTHKQDG 16

RESULT 7
US-09-100-414B-4
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; Sequence 4, Application US/09100414B
; Patent No. 6025468
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/100,414B
; FILING DATE: 20-JUNE-1998
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; US-09-100-414B-4

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
DB 2 VSDVKGW-VHKVDG 15

RESULT 8
US-09-100-409A-63
; Sequence 63, Application US/09100409A
; Patent No. 6090388
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: PEPTIDE COMPOSITION FOR
; TITLE OF INVENTION: PREVENTION AND TREATMENT OF HIV INFECTION AND
; TITLE OF INVENTION: IMMUNE DISORDERS
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/100,409A
; FILING DATE:
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; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 1151-4154
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-100-409A-63

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGV-VHKVDG 15

RESULT 9
US-09-303-323-4
; Sequence 4, Application US/09303323
; Patent No. 6228987
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/303,323
; FILING DATE: 30-APR-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; US-09-303-323-4

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGV-VHKVDG 15

RESULT 10
US-09-770-014-4
; Sequence 4, Application US/09770014
; Patent No. 6559282
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,014
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; US-09-770-014-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGV-VHKVDG 15

RESULT 11
US-09-701-588C-4
; Sequence 4, Application US/09701588C
; Patent No. 6713301
; GENERAL INFORMATION:
; APPLICANT: UNITED BIOMEDICAL INC., ET AL.
; TITLE OF INVENTION: ARTIFICIAL T HELPER CELL
; EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC
; PEPTIDE IMMUNOGENS
; NUMBER OF SEQUENCES: 151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
```

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; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 1151-4154
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-100-409A-63

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGV-VHKVDG 15

RESULT 9
US-09-303-323-4
; Sequence 4, Application US/09303323
; Patent No. 6228987
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/303,323
; FILING DATE: 30-APR-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; US-09-303-323-4

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGV-VHKVDG 15

RESULT 10
US-09-770-014-4
; Sequence 4, Application US/09770014
; Patent No. 6559282
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,014
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; US-09-770-014-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGV-VHKVDG 15

RESULT 11
US-09-701-588C-4
; Sequence 4, Application US/09701588C
; Patent No. 6713301
; GENERAL INFORMATION:
; APPLICANT: UNITED BIOMEDICAL INC., ET AL.
; TITLE OF INVENTION: ARTIFICIAL T HELPER CELL
; EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC
; PEPTIDE IMMUNOGENS
; NUMBER OF SEQUENCES: 151
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
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/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC Windows
/ SOFTWARE: Word 97
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/701,588C
/ FILING DATE: 29-NOV-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 09/100,414
/ FILING DATE: 20-JUNE-1998
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Maria H. Lin
/ REGISTRATION NUMBER: 29,323
/ REFERENCE/DOCKET NUMBER: 1151-4158PC1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 212-751-6849
/ TELEFAX: 212-751-6849
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 16 amino acids
/ TYPE: amino acid
/ TOPOLOGY: LINEAR
/ MOLECULE TYPE: peptide
/ SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-701-588C-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
DB 2 VSDVKGVV-VHKVDG 15

RESULT 12
US-09-747-802-33
/ Sequence 33, Application US/09747802
/ Patent No. 6780969
/ GENERAL INFORMATION:
/ APPLICANT: WANG, CHANG YI
/ TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
/ TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
/ FILE REFERENCE: 1151-4165
/ CURRENT APPLICATION NUMBER: US/09/747,802
/ CURRENT FILING DATE: 2000-12-22
/ NUMBER OF SEQ ID NOS: 88
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 33
/ LENGTH: 16
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: T HELPER
/ OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-09-747-802-33

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
DB 2 VSDVKGVV-VHKVDG 15

RESULT 13
US-09-112-096-11
/ Sequence 11, Application US/09112096
/ Patent No. 6194152
/ GENERAL INFORMATION:
/ APPLICANT: Reiner Laus
/ APPLICANT: Michael H. Shapero
/ APPLICANT: Larisa Tsavaler
/ TITLE OF INVENTION: Prostate Tumor Polynucleotide and
/ TITLE OF INVENTION: Antigen Compositions
/ FILE REFERENCE: 7636-0015.30
/ CURRENT APPLICATION NUMBER: US/09/112,096
/ CURRENT FILING DATE: 1998-07-09
/ EARLIER APPLICATION NUMBER: 60/056,110
/ EARLIER FILING DATE: 1997-08-20
/ NUMBER OF SEQ ID NOS: 29
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 11
/ LENGTH: 14
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-112-096-11

Query Match 33.3%; Score 33; DB 3; Length 14;
Best Local Similarity 58.3%; Pred. No. 36;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 VLISEASGVVPV 15
DB 3 VKINEKSGKIPV 14

RESULT 14
US-08-960-128-6
/ Sequence 6, Application US/08960128
/ Patent No. 5951985
/ GENERAL INFORMATION:
/ APPLICANT: Butler, Sandra M.
/ APPLICANT: Pomato, Nicholas
/ APPLICANT: Bos, Ebo
/ APPLICANT: Hanna, Micheal G.
/ APPLICANT: Haspel, Martin V.
/ APPLICANT: Hoover, Herbert C.
/ TITLE OF INVENTION: Tumor Associated Epitopes
/ NUMBER OF SEQUENCES: 7
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Akzo No. 5951985el Patent Department
/ STREET: 1300 Piccard Drive, Suite 206
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/960,128
/ FILING DATE:
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/478,591
/ FILING DATE: 07-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Gormley, Mary E.
/ REGISTRATION NUMBER: 34,409
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (301) 258-5200
/ TELEFAX: (301) 977-0847
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: peptide
/ HYPOTHETICAL: NO
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US-08-960-128-6

Job time : 16.9 secs

Query Match 32.3%; Score 32; DB 2; Length 15;
Best Local Similarity 60.0%; Pred. No. 58;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 5 L1SEASGVVP 14
|:|:|:|:|:
Db 5 LVSESDVLP 14

RESULT 15

US-08-469-260A-366
; Sequence 366, Application US/08469260A
; Patent No. 6451578
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAMSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHROFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,260A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 366:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-469-260A-366

Query Match 32.3%; Score 32; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 VPVHAQ 18
|:|:|:|:|:
Db 4 VPVHAQ 9

Search completed: January 26, 2005, 00:05:16